CONSTRUCTION NEWS

PROPOSALS

For proposals Advertised see the pages immediately following the "Construction News" Section.

WATERWORKS

Bids Close		See Eng. News-Record
Mar. 26	Compton, Calif.	Mar. 15
Mar. 26	Milwaukee, Wis.	Mar. 22
Mar. 26	St. Paul, Minn.	Mar. 22
Mar. 27	Weatherford, Okla.	Mar. 8
Mar. 27	New Ulm, Minn.	Mar. 15
Mar. 27	New York, N. Y.	Mar. 22
Mar. 29	Waldwick, N. J.	Mar. 15
Mar. 29	Savannah, N. Y. Adv. Mar. 22.	Mar. 22
Mar. 29	Trenton, N. J.	Mar. 22
Mar. 30	Smith Center, Kan.	Mar. 22
Mar. 30	St. George, N. Y.	Mar. 23
Apr. 1	Cresson, Pa.	Mar. 8
Apr. 2	West Chester, Pa.	Mar. 15
Apr. 4	Wheeling, W. Va.	Mar. 8
Apr. 4	Fayetteville, Tenn.	Mar. 22
Apr. 5	Fayetteville, N. C.	Mar. 15
Apr. 10	Toronto, O. Adv. Mar. 15 and 22.	Mar. 15
Apr. 12	Astoria, Ill.	Mar. 15
Apr. 18	Richmond, Va. Adv. Mar. 22.	Mar. 22
Apr. 26	New Orleans, La. Adv. Mar. 8 to 22.	Mar. 8

SEWERS

Mar. 26	Akron, O.	Mar. 22
Mar. 28	Lennox, S. D.	Mar. 22
Mar. 29	Sugar Creek, Mo.	Mar. 22
Mar. 30	Wash., D. C. Adv. Mar. 22.	Mar. 22
Apr. 2	Glen Rock (Ridgewood P. O.), N. J.	Mar. 15
Apr. 2	Yuba City, Calif.	Mar. 22
Apr. 3	Youngstown, O.	Mar. 22
Apr. 6	Lyndonville, N. Y. Adv. Mar. 15 and 22.	Mar. 15
Apr. 7	Pottstown, Pa. Adv. Mar. 15 and 22.	Mar. 15
Apr. 10	Toronto, Ont.	Mar. 8
Apr. 10	Toledo, O. Adv. Mar. 15 and 22.	Mar. 15
Apr. 10	Hazard, Ky. Adv. Mar. 22	Mar. 22
Apr. 16	Urbana, Ill.	Mar. 15

WASTE DISPOSAL

Mar. 27	Tampa, Fla.	Mar. 8

BRIDGES

Mar. 26	Bowling Green, O.	Mar. 8
Mar. 27	Wilkes-Barre, Pa.	Mar. 1
Apr. 1	Wilkes-Barre, Pa.	Dec. 14
Apr. 2	Gurnee, Ill. Adv. Mar. 22.	Mar. 22
Apr. 3	Galesburg, Mich.	Mar. 22
Apr. 3	North Carolina	Mar. 15
Apr. 4	Matawan, N. J. Adv. Mar. 22.	Mar. 22
Apr. 4	Painesville, O.	Mar. 22
Apr. 6	Fresno, Calif.	Mar. 15
Apr. 10	Fonda, N. Y.	Mar. 15
Apr. 12	Louisiana	Mar. 22
Sept. 1	Sydney, New South Wales, Australia	Aug. 3

DAMS

Apr. 3	Newburgh, N. Y. Adv. Mar. 22.	Mar. 22
Apr. 12	Oroville, Calif.	Mar. 22

EXCAVATION, DRAINAGE, IRRIGATION

Mar. 26	Winchester, Ill.	Mar. 15
Mar. 26	Chinook, Mont.	Mar. 22
Mar. 28	Mason City, Ia.	Mar. 22
Mar. 29	Beardstown, Ill.	Mar. 8
Mar. 29	Savanna, Ill.	Mar. 22
Mar. 30	Albert Lea, Minn.	Mar. 22
Mar. 30	Carroll, Ia.	Mar. 22
Apr. 2	Webster City, Ia.	Mar. 15
Apr. 3	Sioux City, Ia.	Mar. 22
Apr. 9	Lamar, Colo. Adv. Mar. 22.	Mar. 22
Apr. 14	Savannah, Tenn.	Mar. 22

STREETS AND ROADS

Mar. 26	San Rafael, Calif.	Mar. 15
Mar. 26	West Allis, Wis.	Mar. 15
Mar. 26	Des Moines, Ia.	Mar. 15
Mar. 26	Aberdeen, S. D.	Mar. 15
Mar. 26	Barnsdall, Okla.	Mar. 22
Mar. 26	Elmira, N. Y.	Mar. 22
Mar. 26	Hutchinson, Minn.	Mar. 22
Mar. 26	Kitchener, Ont.	Mar. 22
Mar. 27	Grand Rapids, Mich.	Mar. 22
Mar. 27	St. Louis, Mo.	Mar. 8
Mar. 27	Washington	Mar. 15
Mar. 27	Peru, Ind.	Mar. 15
Mar. 27	Louisiana	Mar. 15
Mar. 27	Quebec	Mar. 15
Mar. 27	Michigan	Mar. 15
Mar. 27	Clinton, Ia.	Mar. 15
Mar. 27	Wisconsin	Mar. 22
Mar. 27	Tampa, Fla.	Mar. 22
Mar. 27	Prairie du Chien, Wis.	Mar. 15
Mar. 27	Albert Lea, Minn.	Mar. 15
Mar. 27	South Dakota	Mar. 15
Mar. 28	Kalamazoo, Mich.	Mar. 15
Mar. 28	Owatonna, Minn.	Mar. 15
Mar. 28	Michigan	Mar. 15
Mar. 28	Ashland, Wis.	Mar. 22
Mar. 28	Dodgeville, Wis.	Mar. 22
Mar. 28	Jamestown, N. Y.	Mar. 22
Mar. 28	Ann Arbor, Mich.	Mar. 22
Mar. 28	Lamar, Colo.	Mar. 22
Mar. 28	Newton (Boston P. O.), Mass.	Mar. 22
Mar. 28	Mayville, N. Y.	Mar. 22
Mar. 28	Altoona, Pa.	Mar. 22
Mar. 29	Guelph, Ont.	Mar. 22
Mar. 29	Akron, O.	Mar. 22
Mar. 29	Michigan	Mar. 15
Mar. 29	Rockwall, Tex.	Mar. 22
Mar. 30	Michigan	Mar. 15
Mar. 30	Sayre, Okla.	Mar. 22
Mar. 30	Ohio	Mar. 22
Mar. 30	Seattle, Wash.	Mar. 22
Mar. 30	Beloit, Wis.	Mar. 22
Mar. 30	Juneau, Wis.	Mar. 22
Mar. 30	Sabetha, Wis.	Mar. 22
Apr. 1	Huntingdon, Pa.	Feb. 8
Apr. 2	Stoneboro, Pa.	Mar. 15
Apr. 2	Hastings, Minn.	Mar. 15
Apr. 2	Hastings, Pa.	Mar. 15
Apr. 2	Lucerne, Minn.	Mar. 15
Apr. 2	White Plains, N. Y. Adv. Mar. 15 and 22.	Mar. 22
Apr. 2	Salem, Ind.	Mar. 22
Apr. 2	Elbow Lake, Minn.	Mar. 22
Apr. 3	Amsterdam, N. Y.	Feb. 1
Apr. 3	Rowland, N. C.	Mar. 15
Apr. 3	North Carolina Adv. Mar. 22.	Mar. 15
Apr. 3	Pennsylvania Adv. Mar. 15 and 22.	Mar. 15
Apr. 3	Geneva, N. Y. Adv. Mar. 22.	Mar. 22
Apr. 3	Maryland	Mar. 22
Apr. 3	Michigan	Mar. 22
Apr. 4	Michigan	Mar. 22
Apr. 4	Holton, Kan.	Mar. 8
Apr. 4	Kentucky	Mar. 15
Apr. 4	Maplewood (St. Louis P. O.), Mo.	Mar. 22
Apr. 4	South Dakota	Mar. 15
Apr. 4	Florida	Mar. 22
Apr. 5	Topeka, Kan.	Mar. 8
Apr. 5	South Dakota	Mar. 15
Apr. 5	Burlington, Vt. Adv. Mar. 22.	Mar. 22
Apr. 5	Virginia Adv. Mar. 22.	Mar. 22
Apr. 5	Michigan	Mar. 22
Apr. 6	Michigan	Mar. 22
Apr. 6	Holton, Kan.	Mar. 15
Apr. 6	South Dakota	Mar. 15
Apr. 7	South Dakota	Mar. 15
Apr. 7	Michigan	Mar. 22
Apr. 10	New Castle, Pa.	Mar. 22
Apr. 10	Washington	Mar. 15
Apr. 10	Louisiana Adv. Mar. 22.	Mar. 22
Apr. 14	Bessemer, Mich.	Mar. 22
Apr. 16	Canonsburg, Pa. Adv. Mar. 22.	Mar. 22
Apr. 17	Alabama	Mar. 22

INDUSTRIAL WORK

Mar. 24	Hartford, Conn.	Mar. 22
Mar. 24	Jeannette, Pa.	Mar. 22
Mar. 27	Oswego, N. Y. Adv. Mar. 1 to 22.	Mar. 1
Mar. 28	Blue Island, Ill.	Mar. 22
Mar. 30	Bridgeport, Conn.	Mar. 15
Apr. 1	Birmingham, Ala.	Mar. 15

BUILDINGS

Mar. 24	Beallesville, Pa.	Mar. 22
Mar. 26	Cincinnati, O.	Mar. 1
Mar. 26	Ann Arbor, Mich.	Mar. 15
Mar. 26	West Orange, N. J.	Mar. 15
Mar. 26	Toledo, O.	Mar. 22
Mar. 26	Tulsa, Okla.	Mar. 22
Mar. 27	New York, N. Y.	Mar. 15
Mar. 27	West Bend, Wis.	Mar. 8
Mar. 27	Fullerton, Calif.	Mar. 15
Mar. 27	Cleveland, O.	Mar. 22
Mar. 27	Phila., Pa.	Mar. 22
Mar. 28	Kimball, S. D.	Mar. 22
Mar. 28	Los Angeles, Calif.	Mar. 22
Mar. 28	West Union, Ia.	Mar. 22
Mar. 29	Milwaukee, Wis.	Mar. 15
Mar. 29	Kingston, Ont.	Mar. 22
Mar. 29	Beaverdale, Pa.	Mar. 22
Mar. 29	Kansas City, Mo.	Mar. 22
Mar. 30	Clearfield, Pa.	Mar. 8
Mar. 30	Sioux Falls, S. D.	Mar. 8
Mar. 30	Cayuga, Ont.	Mar. 22
Mar. 30	Hartford, Conn.	Mar. 22
Mar. 31	Fairfield, Ia.	Mar. 15
Mar. 31	Lakewood (Cleveland P. O.), O.	Mar. 22
Mar. 31	Pembroke, Ont.	Mar. 22
Apr. 1	Freeport, Pa.	Mar. 8
Apr. 2	Syracuse, N. Y.	Mar. 1
Apr. 2	Morris Plains, N. J.	Mar. 15
Apr. 2	Memphis, Tenn.	Mar. 22
Apr. 2	Springfield, Mass.	Mar. 22
Apr. 4	Marysville, O.	Mar. 15
Apr. 4	New Rochelle, N. Y.	Mar. 15
Apr. 4	Palmyra, N. Y.	Mar. 22
Apr. 5	Oxford, O.	Mar. 22
Apr. 7	Vancouver, Wash.	Mar. 22
Apr. 7	Kalamazoo, Mich.	Mar. 22
Apr. 10	Springfield, Mass.	Mar. 22
Apr. 10	Cedar Falls, Ia.	Mar. 22
Apr. 10	Columbus, O.	Mar. 15
Apr. 12	Savanna, Ill.	Mar. 22
Apr. 31	Capa, S. D.	Mar. 8
May 1	Mason City, Ia.	Mar. 22

FEDERAL GOVERNMENT WORK

Mar. 26	Machine Shop—Staten Island, N. Y.	Mar. 8
Mar. 26	Extension — Kansas City, Mo.	Mar. 1
Mar. 26	Fuel Oil—Phila., Pa.	Mar. 15
Mar. 26	Wire, etc.—Memphis, Tenn. Adv. Mar. 15 and 22.	Mar. 15
Mar. 28	Gates—Cincinnati, O. Adv. Mar. 15 and 22.	Mar. 15
Mar. 28	Mechanical Equipment — Annapolis, Md.	Mar. 22
Mar. 29	Dredging — New York, N. Y. Adv. Mar. 1 to 22.	Mar. 1
Mar. 29	Hospital — Livermore, Calif.	Mar. 1
Mar. 29	Acetylene Cylinders—Staten Island, N. Y.	Mar. 15
Mar. 30	Stone Work, etc. — Oswego, N. Y.	Mar. 15
Apr. 2	Head-Gate Track, etc. — Florence, Ala. Adv. Mar. 8 to 22.	Mar. 8
Apr. 2	Quarters — Hot Springs, Ark.	Mar. 22
Apr. 3	Dredging, etc. — Jacksonville, Fla. Adv. March 8 to 15.	Mar. 8
Apr. 3	Rope—Memphis, Tenn. Adv. Mar. 15 and 22.	Mar. 15
Apr. 3	Dwelling, etc. — Shinnecock, N. Y. Adv. Mar. 15 and 22.	Mar. 15
Apr. 3	Road—California	Mar. 22
Apr. 5	Piling—Louisville, Ky. Adv. Mar. 8 to 22.	Mar. 8
Apr. 6	Dredge Tender—San Francisco, Calif.	Mar. 15
Apr. 7	Metal—Vicksburg, Miss. Adv. Mar. 15 and 22.	Mar. 15
Apr. 9	Dredging — New Orleans, La. Adv. Mar. 15 and 22.	Mar. 15
Apr. 9	Cement—Louisville, Ky.	Mar. 15
Apr. 10	Lock—Newburg, Ind.	Mar. 1
Apr. 11	Removing Fenders — Norfolk, Va.	Mar. 15
Apr. 12	Machinery, etc. — Honolulu, H. T.	Mar. 1
Apr 12	Steel Hull—Rock Island, Ill. Adv. Mar. 22.	Mar. 22
Apr. 12	Wire—Fremont, Calif.	Mar. 23
Apr. 16	Tunnel, etc. — Mitchell, Neb.	Mar. 1
Apr. 16	Barges—Galveston, Tex. Adv. Mar. 15 and 22.	Mar. 15
Apr. 16	Ice-Making and Refrigerating Plant—Chelsea, N. Y.	Mar. 22
Apr. 18	Monument — Plattsburg, N. Y. Adv. Mar. 22.	Mar. 22
Apr. 20	Dredging Pump—Jacksonville, Fla. Adv. Mar. 22.	Mar. 22
Apr. 25	Reconstructing Dike — Mare Island, Calif.	Mar. 22
May 10	Post Office — Cordova, Alaska	Jan. 25

MISCELLANEOUS

Mar. 24	Tunnel—Montreal, Que.	Mar. 22
Mar. 26	Asphalt — Minneapolis, Minn.	Mar. 22
Mar. 27	Transmission Line — Kanoroda, Kan.	Mar. 15

Bids Close		See Eng. News-Record
Mar. 27	Aggregate, etc.—Long Island City, N. Y.	Mar. 22
Mar. 29	Coliseum—Syracuse, N. Y. Adv. Mar. 15 and 22.	Mar. 15
Mar. 29	Concrete Aggregates — Michigan	Mar. 15
Mar. 29	Steam Roller—West New Brighton, N. Y.	Mar. 22
Mar. 30	Cement—Juneau, Wis.	Mar. 22
Mar. 30	Foundations — New York, N. Y.	Mar. 22
Mar. 30	Ties and Timber—New York, N. Y.	Mar. 22
Apr. 2	Wharf—Norwalk, Conn. Adv. Mar. 22.	Mar. 22
Apr. 2	Steel—New York, N. Y.	Mar. 22
Apr. 3	Bituminous Material — Albany, N. Y. Adv. Mar. 22.	Mar. 22
Apr. 3	Road Dredge, Scrapers, etc. —Onida, S. D.	Mar. 22
Apr. 3	Road Grader — Chaska, Minn.	Mar. 22
Apr. 3	Grain Elevator—Baltimore, Md.	Mar. 22
Apr. 3	Grain Elevator — Montreal, Que.	Mar. 22
Apr. 5	Road Material — Newton, N. J. Adv. Mar. 22.	Mar. 22
Apr. 5	Wharf, Chain Walls, etc. — New Orleans, La. Adv. Mar. 22.	Mar. 22
Apr. 9	Stadium—East Cleveland (Cleveland P. O.), O.	Mar. 15
Apr. 9	Fire Alarm System—Wichita, Kan.	Mar. 22
Apr. 10	Electric Standards—St. Louis, Mo.	Mar. 22
Apr. 13	Transmission and Telephone Lines—Seattle, Wash. Adv. Mar. 22.	Mar. 22

Where name of official is not given inquiries should be addressed to City Clerk, County Clerk or corresponding official.

Waterworks

PROPOSED WORK

N. Y., Albany—See "Streets and Roads."

N. Y., Cobleskill — Had plans prepared new filtration plant. $15,000-$18,000.

N. Y., Fairport—Bd. Village Trustees plans new water system. To exceed $25,000. H. T. Tinney, pres.

N. Y., West Carthage (Carthage P. O.)—Plans new water system. $50,000. H. J. Starkweather, village pres.

Pa., Sharon—See "Streets and Roads."

N. C., Marion—Bd. Aldermen will sell $100,000 bonds April 9, to enlarge, extend and improve waterworks and sewerage systems. L. A. Neal, city clk.

Fla., Gainesville — See "Streets and Roads."

Tenn., Greeneville—Plans to expend $85,000 for improvements and extensions to water plant. J. A. Switzer, Greeneville, engr.

O., Barberton—Plans new water system. $905,000.

O., Columbus—See "Streets and Roads."

O., Norwalk—Plans new filtration plant. To exceed $15,000. Engineer not announced.

O., Rocky River — Making preliminary plans water supply for villages of Rocky River, Dover and Bay (Dover, P. O.). $300,000. G. B. Gascoigne, Leader-News Bldg., Cleveland, engr.

Ill., Springfield—Soon takes bids 5,000,000 gal. rein.-con. settling basin and 10,000,000 gal. turbine centrifugal pump. Burns & McDonnell, Interstate Bldg., Kansas City, Mo., engrs.

Wis., Phillips — Will sell $40,000 bonds for pumping station for water supply, watermains and sewers. C. F. Scheel, clk. Engineer not selected.

Wis., Wisconsin Rapids—Water Comn. plans to install iron removal plant. $25,000. C. Gross, mgr.

Minn., St. Paul—Rejected bids opened March 19, rein.-con. reservoir, 18,000,000 gal. capacity, Snelling Ave. Work will be done by day labor.

N. D., Fargo — Having plans prepared for waterworks and sanitary sewerage systems for Northside addition. $75,000. R. T. Jacobson, city engr.

Ark., Helena—See "Excavation, Drainage, Irrigation."

Tex., Elgin—March 27, to vote on $40,000 bond issue for waterworks improvements and extensions. Address J. Keeble, mayor.

Tex., Royse City—April 24, to vote on $45,000 bond issue for main extensions. Address A. L. Price, Royse City. Engineer not announced.

Okla., Tonkawa—Having plans prepared waterworks improvements. $70,000 bonds voted. Ruckel Eng. Co., Interurban Bldg., Hutchinson, Kan., engrs.

Ariz., Tucson—Making plans 65 mi. 4-16 in. c.i. mains. $500,000. G. H. Atchley, city engr.

Calif., Bakersfield—Bakersfield Municipal Water Dist. retained Olmsted & Gillelen, engrs., Hollingsworth Bldg., Los Angeles, to appraise two water plants and submit report as to needed improvements, to provide increased fire protection, and to construct extensions for future growth. To exceed $15,000.

Calif., Turlock—City will purchase 1 carload of pipe and fittings for city water system. H. Hall, city engr.

Calif., Chico—Plans election to vote on $475,000 bonds to purchase and improve 3 privately owned water systems. Former election defeated. F. S. Robinson, city engr. Noted Dec. 7.

Calif., Petaluma—Petaluma Municipal Water Dist., plans to vote on $750,000 bonds constructing water supply system, incl. storage dam, 2 diversion dams, pipe lines, flumes, canals, filtration plant, distributing system, etc. Howe & Peters, 24 California St., San Francisco, and C. G. Hyde, 2575 Buena Vista Ave., Berkeley, engrs.

Calif., Santa Barbara — Montecito Co. Water Dist., had preliminary report made distributing system and tunnel through Toro Canyon. $500,000 and $350,000 respectively. Cook, Wyant and Moore, Santa Barbara, consult. engrs. Noted Feb. 15.

Calif., San Bernardino—Plans election to vote on $140,000 bonds for water system. J. H. Osborn, city clk.

BIDS DESIRED

N. Y., New York—March 27, by N. J. Hayes, comr. Water Supply, Gas & Electricity, Municipal Bldg., mains in Webster Ave., Bronx Boro.

N. Y., Savannah—March 29, by Bd. Village Trustees, c.i. mains, reservoir and building for pumping station. J. P. Lawyer, engr.; adv. this issue.

N. Y., St. George—March 30, by N. J. Hayes, comr. Water Supply, Gas & Electricity, Municipal Bldg., mains in Midland and Maple Aves., 2nd, 3rd, 4th, 5th, 6th, 7th, 8th and 9th Sts., here.

N. J., Trenton—March 29, furnishing to Water Dept., twelve 6 in. valve opening hydrants, 4 ft. 6 in. trench, 8 in. hub connections, 8 in. standpipe, three 2½ in. independent gate hose and steamer nozzles, twelve 5 in. 3 way hydrants, 4 ft. 6 in. trench to have 1 steamer and two 2½ in. connections, all Corry type manufactured by Rensselaer Mfg. Co., also 328 tons 6-16 in. Class B c.i. pipe, 150 tons sulphuric acid known as 66 degree Be commercial acid, price based on strength, furnishing and installing sluice gates at intake and outlet openings of municipal Log Basin. A. C. Gregory, City Hall, engr.

Tenn., Faetteville—April 4, by H. Higgins, city clk., 1,000,000 gal. concrete reservoir, also concrete roof for present reservoir. B. H. Klyce, 4th and 1st Natl. Bank Bldg., Nashville, engr.

Va., Richmond—April 18, at office E. W. Tafford, dir. Pub. Utilities, mechanical filter plant; adv. this issue.

Kan., Smith Center—March 30, by C. S. Sargent, city clk., Sect. 1, 500,000 gal. daily capacity filtration plant with necessary settling basins, 200,000 gal. clear well connection to present city mains, low service pumping station and intake in Solomon River, force main from here to Solomon River; Sect. 2, filter equipment for two 9 x 10 ft. filter units. Black & Veatch, Mutual Bldg., Kansas City, Mo., engrs. Noted Feb. 22.

Wis., Milwaukee—March 26, at office of Central Bd. Purchases, furnishing to Riverside Pumping Station c.i. pipe and specials. D. W. Hoan, chn.

Minn., St. Paul—March 26, by H. W. Austin, city purch. agt., 18,000 bbl. cement, 10,000 cu.yd. gravel, 5,000 cu.yd. sand for Water Dept., to be used for new reservoir. G. M. Shepard, city engr.

Mo., Trenton—April 3, by Burns & McDonnell, engrs., Interstate Bldg., Kansas City, improving waterworks, filtration plant, rebuilding present plant, and 7 new motor driven pumps, for city. $175,000. Noted Jan. 11.

BIDS RECEIVED

N. Y., New York—Bd. Purch., Municipal Bldg., opened bids March 14, furnishing delivering, unloading, stacking and storing c.i. pipe special and valve box castings, valves and double nozzle fire hydrants, to Dept. Water Supply, Gas & Electricity, from Kennedy Valve Mfg. Co., 95 John St., $34,390; Chapman Valve Mfg. Co., 180 Lafayette St., $37,497; Flockhard Fdry. Co., $67,560; A. P. Smith Mfg. Co., $146,531; Warren Fdry. & Machine Co., 11 Bway., $165,600; J. Fox & Co., 233 Bway., $345,469; U. S. Cast Iron Pipe & Fdry. Co., 71 Bway., $560,097. Noted March 8.

N. Y., New York—Dept. Water Supply, Gas & Electricity, Municipal Bldg., opened bids March 13, mains in Bway., Amsterdam, 10th and 11th Aves., West 51st, 54th, 57th and Clarkson Sts., Manhattan Boro, from Beaver Eng. Co., 57 Chambers St., $94,416; C. De Blasio, $105,209; Paladino Contg. Co., 437 East 120th St., $105,695. Noted March 8.

N. Y., New York—N. J. Hayes, comr. Water Supply, Gas & Electricity, Municipal Bldg., March 16, hauling and setting valves and hydrants in various streets, Manhattan Boro, from Wataga Contg. Co., $39,000; Beaver Eng. & Contg. Co., 51 Chambers St., $53,797; C. De Blasio, $74,474. Noted March 8.

N. Y., St. George—N. J. Hayes, comr. Water Supply, Gas & Electricity, Municipal Bldg., New York, March 16, mains and appurtenances in various streets, here, from G. V. Cornell, $67,800; Knight & Demicco, 448 East Tremont Ave., New York, $83,900; Paladino Contg. Co., 437 East 120th St., New York, $88,800.

Wis., Hartford—Opened bids March 1, 150,000 gal. rein.-con. reservoir, (1) square tank (2) circular tank, from Lakeside Constr. Co., 1803 Grand Ave., Milwaukee, (1) $6,393 (2) $5,736; Whitewater Bridge Co., Whitewater, (1) $7,419 (2) $7,113; F. Dogherty Co., 37th St. and Fond du Lac Ave., Milwaukee, (1) $9,489. Steel and rein.-con. not included in bids. Noted Feb. 22.

Mo., St. Louis—Bd. Pub. Serv. City Hall, March 13, from U. S. Cast Iron Pipe & Fdry. Co., 520 Security Bldg., 380 tons Class B 6 in., 50 tons Class B 8 in. and 660 tons Class C 12 in. Amer. Waterworks Standard coated c.i. pipe, $51.50 per ton, 110 tons Class C 20 in. $50.60. Noted March 1.

CONTRACTS AWARDED

Md., Baltimore—Pig lead to J. Robertson Lead Wks., 827 South Howard St., $26,550. Noted March 8.

Fla., Zephryhills—City Council, waterworks improvements, incl. 200 tons c.i. pipe, 10,000 ft. galvanized pipe, one 75,000 gal. tank, 110 ft. tower, 2 centrifugal pumps, engines, pumping station, buildings and well, to E. G. Ladd, 61st St., Jacksonville, $26,353. Noted Jan. 11.

O., Cleveland—Cuyahoga Co. 8,398 ft. 6 and 8 in. c.i. mains for Impvt. 23 of Co. Sewer Dist., to Hadded & Kariel, 314 Eagle Ave., $37,342. Noted March 8.

Wis., Madison—Air lift equipment and pump complete with Booster tanks, to Wisconsin Fdry. Co., 627 East Main St., $2,120; city will install by day labor. Noted Feb. 22 under Miscellaneous.

Ore., Vernonia—For 8,760 ft. of 8 in. c.i. and 16,420 ft. 2 in. galvanized iron mains to Veronia Constr. Co., Vernonia, $26,278. Noted Dec. 21.

Calif., Antioch—Furnishing G. W. Price centrifugal pumps and motors, to Antioch Electric Co., Antioch, $2,987; concrete tanks to G. H. Field Co., Antioch, $12,340. Noted March 15.

Sewers

PROPOSED WORK

N. Y., Albany—See "Streets and Roads."

N. Y., Ogdensburg—Common Council and Bd. Pub. Wks., plan new sanitary sewer in St. Lawrence Ave. and other streets. $35,000-$40,000. D. J. Crichton, clk.

N. Y., West Carthage (Carthage P. O.)—Plans new sewerage system. $25,000. H. J. Starkweather, village pres.

Pa., Erie—Will take bids on or about April 24, intercepting sewerage system, to exceed $600,000. J. N. Chester, Union Bldg., Pittsburgh, engr.

Pa., Sharon—See "Streets & Roads."

N. C., Marion—See "Waterworks."

Fla., Bartow—Having preliminary plans prepared sanitary sewers and disposal plant. To exceed $25,000. Burns & McDonnell, Interstate Bldg., Kansas City, Mo., engrs.

Fla., Gainesville — See "Streets and Roads."

Tenn., Greeneville — Voted $40,000 for sewers in various streets. C. E. Coile, Greeneville, engr.

Tenn., McMinnville — Plans complete sewerage system. $50,000. O. C. Jennings, mayor.

Tenn., Murfreesboro—Making plans 6,000 lin.ft. sanitary sewers in various streets. R. E. Lowe, city mgr.

O., Columbus—See "Streets and Roads."

O., Columbus—Making preliminary plans sewer from above Ohio State University along Olentangy River down through city. $200,000. R. E. Simpson, city engr. J. H. Gregory, consult. engr.

Sewers (Continued)

O., Euclid—Preparing plans sewage treatment works. $300,000. G. B. Gascoigne, Leader-News Bldg., Cleveland, engr.

O., Hiram—Preparing plans for improvements and additions to sewage treatment works. G. B. Gascoigne, Leader-News Bldg., Cleveland, engr.

O., North Lima—Mahoning Co. (Youngstown) plans modern sanitary sewerage system. $50,000. L. Fawcett, Court House, Youngstown, co. sanitary engr.

Wis., Phillips—See "Waterworks."

Ia., Dunlap — Soon takes bids storm sewers. $25,000. Henningson Eng. Co., National Bldg., Omaha, Neb., engrs.

Minn., St. Paul—Northern Pacific Ry., 5th and Jackson Sts., takes bids within 2 weeks, 1,150 ft. rein.-con. sewer, 16 ft. wide, 12 ft. high. $250,000. Engineering Dept. of Company, engrs.

N. D., Casselton—April 2, to vote on $60,000 bonds sanitary sewerage system, 27,924 lin.ft. 8 in., 1,980 lin.ft. 10 in., 526 ft. 12 in. pipe, one sewage disposal tank. Opening of bids postponed. Noted March 1.

N. D., Grafton—Plans septic tank. $29,000. H. J. Johnson, clk.

N. D., Fargo—See "Waterworks."

Mo., Maplewood (St. Louis P. O.)—J. D. Schuster, mayor, City Hall, received no bids March 7, sewers in Manchester Dist. 2, Laclede Sta. Rd. Sewer Dist. 1, Caroline Ave., Louise Ave. and Brent St. Sewer Dists. Will readvertise. Noted March 1.

Tex., Houston—April 9, to vote on $250,000 bond issue for storm sewers. J. C. McVey, city engr.

Tex., Royse City—April 24, to vote on $40,000 bond issue for mains and disposal plant. Address A. L. Price, Royse City. Engineer not announced.

Tex., Rosenberg—City Comn. opens bids about April 16, disposal plant and sewers. $50,000. E. E. Sands, Mason Bldg., Houston, engr.

Okla., Billings — Having plans prepared sewerage system and disposal plant. Black & Veatch, Mutual Bldg., Kansas City, Mo., engrs.

Colo., Colorado Springs — Plans storm sewers in Dist. 3, 19,600 ft. 12-45 in. clay, cement or segmental block. $91,000. F. O. Ray, City Hall, engr.

Calif., Paso Robles—City soon takes bids sewers in Dists. 10 and 11, 18,720 lin. ft. 6 in. vitr. pipe, etc. $30,000. W. W. Hughes, Paso Robles, engr.

Calif., Riverside—Had plans prepared sewers in various streets, 25,372 lin.ft. 6 in., 9,149 lin.ft. 8 in., 3,547 lin.ft. 10 in., 657 lin. ft. 12 in., 4,196 lin.ft. 15 in., 2,595 lin.ft. 18 in. and 2,636 lin.ft. 24-in. vitr. pipe, 3,965 lin.ft. 18-in. and 3,965 lin.ft. 22-in. rein.-con. pipe, 184 cu.yd. concrete, 18,702 lb. reinforcing, etc. L. Nolgar, city engr.

Calif., San Diego — See "Streets and Roads."

Que., Montreal—Plans 412 ft. 2 x 3 brick sewer in Dandurand St. from 16th to 17th Aves. $3,593, 2,256 ft. in Eadie St. from Church Ave. to Dubois St., $26,670. E. Fusey, supt. sewer dept.

Ont., Leamington—Plans to lay sewers and concrete pave Erie St. $40,000.

Ont., Mt. Forest — See "Streets and Roads."

BIDS DESIRED

D. C., Wash.—March 30 by Dist. Comrs., 509 Dist. Bldg., constructing sewer; adv. this issue.

Ky., Hazard—April 10, by A. G. Taylor, city clk., sanitary sewerage system. J. W. Craft, mayor; adv. this issue.

O., Akron—March 26, by W. F. Peters, dir. Pub. Serv., 4,545 ft. 8-60 in. brick and 2,235 ft. 15-27 in. vitr. sewers in Tallmadge Ave. and Carpenter Heights, 3,860 ft. 30-54 in. brick or segmental block in Brown St. $202,000. Former bids rejected. J. E. Root, Delaware Bldg., engr. Noted March 1.

O., Youngstown—April 3, by Comrs. Mahoning Co., Granberry Run sewerage system, Boardman Dist. $280,000. G. Jones, clk.

Minn., Hutchinson — See "Streets and Roads."

S. D., Lennox—March 28, sanitary outlet sewer, 2,835 lin.ft. 12 in. pipe, also sewage disposal plant. $25,000. Smith & Reeves, Mitchell, engrs.

Mo., Sugar Creek—March 29, by C. E. Deland, city clk., constructing 11,042 lin.ft. 10-15 in. vitr., 96 lin.ft. 10-14 in. c.i. and 280 lin.ft. 12-16 in. wrought steel sewers, etc. Black & Veatch, Mutual Bldg., Kansas City, engrs. Noted March 8.

Calif., Yuba City—April 2, by C. C. Kline, city clk., sewage pumping plant, incl. equipment, 10,500 lin.ft. concrete pipe, flushers, manholes, etc. $50,000 bonds voted. E. Von Geldern, Yuba City, engr.

BIDS RECEIVED

N. Y., New York—W. J. Flynn, acting pres. Bronx Boro, 3rd and Tremont Aves., March 15, sewers in (1) Strang Ave. (2) Mayflower Ave. (3) Pilgrim Ave. (4) Theriot Ave. (5) Cruger Ave. (6) Taylor Ave. (7) Roebling Ave. (8) Orloff Ave. (9) Burnet Pl. (10) Mace Ave., from Anita Constr. Co., 2975 Marion Ave., (1) $122,723; J. L. Sigretto, Woodhaven, (1) $134,943 (3) $17,518 (4) $11,163 (6) $9,630 (7) $8,751; Estates Contg. Co., (1) $153,317 (4) $11,763 (5) $13,172 (7) $8,963 (8) $11,890 (9) $4,691 (10) $1,899; C. W. McDonald, West 10th St., Brooklyn, (2) $56,492; J. V. Timoney Co., 220 East 201st St., (2) $60,228 (4) $11,782 (5) $12,991 (6) $12,179 (10) $1,672; F. Moe, (2) $67,692; Gregorio & Gabriele, 1129 8th Ave., (3) $21,134 (5) $14,598 (6) $12,182 (8) $10,490 (9) $4,340 (10) $1,874; Knight & Demicco, 448 East Tremont Ave., (7) $8,525. Noted March 8.

N. J., Matawan—W. H. Sutphin, mayor, and Boro Council, (1) 6½ mi. 6-12 in. sewers (2) sewage disposal works, from Seaman & Letzkus Co., Stone Harbor, (1) $84,423 (2) $16,998; Dianallo & Co., 66 Grant Ave., Nutley, (1) $145,547; Romano & Tozzi, Montclair, (1) $149,064; Kuchar Bros., Spring Valley, N. Y., (2) $19,000; Spencer, White & Prentis, Inc., 100 West 41st St., New York City (2) $20,895. Noted Feb. 15.

Mich., Detroit—Lateral sewer in blocks bounded by Audubon, Poupard, Mack and Waveney Aves., 11,200 ft. 10-24 in. vitr. crock pipe, from Liberty Constr. Co., 1026 Detroit Savings Bank Bldg., $29,790; W. Blanck & Co., 827 Ford Bldg., $32,616; Hammen & Co., 4612 Woodward Ave., $34,000.

CONTRACTS AWARDED

N. Y., Buffalo—To J. M. Fahning, 460 Leroy Ave., 10 in. tile sewer in Gratiot Ave. $4,941, 10-24 in. in Lenox Ave. $32,418, 10-15 in. in East Hertel Ave. $2,500 and Hertel Ave. Part 2 $1,783; to Dark & Co., 654 Main St., 36 in. in Hewitt Ave. $9,663, 27 in. in Hewitt Ave. $8,783; to L. DiPasquale, 126 Erie St., 10-20 in. sewer in Parkridge Ave. $5,315, 10 in. tile Eagles St. $1,355.

Mich., Springwells — Constructing 1,348 ft. 66 in. and 2,280 ft. 60 in. brick or monolithic concrete sewer in Greenfield Blvd. and Rome Ave., to Detroit Drainage Constr. Co., 5099 Lemay Ave., Detroit, $63,155.

Ill., Rockford—Sewers in 14th Ave., to P. O. Lary & Son, La Porte, Ind. Engrs. est. $25,000.

Ia., Walnut—To Welp & Zigrang, Bancroft, sanitary sewerage system, $21,638; Gjellefeld-Chapman Constr. Co., Forest City, sewage disposal plant, $9,438.

Mo., Neosho—H. A. F. Cloud, city clk., to Queal Constr. Co., Herington, Kan., sanitary sewers in Sect. 1 (Public Sewers) $53,087, Dist. Sewers (Dist. 1) $19,481, Dist. Sewers (Dist. 2) $2,671, Dist. Sewers (Dist. 3) $171,299. Noted Feb. 22.

Nev., Sparks—See "Streets and Roads."

Calif., Fresno—Concrete and vitr. sewers in Stanislaus and H Sts., to Merced Concrete Pipe Co., 16th and H Sts., Merced, $20,878. Noted March 15.

Bridges

PROPOSED WORK

N. Y., Ebenezer — Pennsylvania R.R., Broad St. Sta., Phila., plans eliminating grade crossing on Union Highway, here, incl. concrete abutments with span of 64 ft., covering 4 tracks, bridge approaches to be 28 ft. wide for highway and 10 ft. for electric railway line. $125,000. Engineer not announced.

N. Y., Waverly—Erie R.R., 50 Church St., New York City, plans overhead railroad crossing bridge, here. $150,000. R. C. Falconer, ch. engr.

Pa., Mercer—Mercer Co. plans several new bridges. Cost to exceed $50,000. F. P. Graham, co. engr.

N. C., Fayetteville — See "Streets and Roads."

Tenn., Clarksville—City, State Hy. Dept., Nashville, and Louisville & Nashville R.R. plan rein.-con. viaduct on Academy Ave. here, to connect with state highway. $35,000. J. Alexander, city engr.

O., Dayton — Plans 2 span steel truss bridge, 200 ft. long, 20 ft. wide, over Wolf Creek on Antioch St., 1 span will be part of old bridge. $50,000. I. E. Houk, city engr.

O., Fremont—Sandusky Co. had revised plans prepared 320 ft. concrete bridge, 44 ft. driveway, over Sandusky River. $150,000. Braun, Fleming, Knollman & Prior, 233 South High St., Columbus, engrs.

Minnesota—See table under "Streets and Roads."

Kan., Iola—See "Streets and Roads."

Kan., Wellington — See "Streets and Roads."

Wash., Colfax — Plans 120 ft. bridge, Main St. $50,000. Engineer not selected.

Ore., Portland — Multnomah Co. plans Ross Island and Morrison St. Bridges over Willamette River, $1,600,000 and $3,000,000 respectively. R. E. Kremers, 1370 East 32nd St., engr. in charge. I. J. Hedrick, 3614 Garfield Ave, Kansas City, Mo., consult. engr. Noted Nov. 16.

Calif., Sacramento—Sacramento Co. soon takes bids, steel for Paintersville Bridge 700 ft. long, and Steamboat Slough Bridge, 280 ft. long. Bids for erection will be asked when steel is delivered. C. W. Deterding, co. surv. Noted Nov. 16.

BIDS DESIRED

N. Y., Matawan—April 4, by Bd. Freeholders Monmouth Co. (Freehold), bridge on Church St., here. G. K. Allen, Jr., 60 Broad St., Red Bank, co. engr.; adv. this issue.

Virginia—See "Streets and Roads."

Louisiana—April 12, by State Hy. Comn., Reymond Bldg., Baton Rouge, one 8 ft. steel span with 20 ft. girder approaches, in Winn Parish, 152 ft. creosoted pile trestle approach, one 50 ft. plate girder, three 100 ft. and two 80 ft. steel truss spans, 481 ft. creosoted timber trestle, etc., in Madison Parish. J. M. Fourmy, state engr.

Ohio—See "Streets and Roads."

O., Painesville—April 4, Comrs. Lake Co. rein.-con. bridge and approaches, over Grand River, on St. Clair St. between here and Fairport. W. P. Brown, 750 Prospect Ave., Cleveland, consult. engr. and archt. Noted Nov. 30.

Mich., Galesburg—April 3, by State Hy. Dept., Lansing, Bridge 390304, one 90 ft. concrete girder and two 60 ft. concrete girder approach spans, near here, Kalamazoo Co. F. F. Rogers, state comr.

Ill., Gurnee—April 2 at office C. E. Russell, supt. highways Lake Co., (Waukegan) bridge over Des Plaines River, here; adv. this issue.

BIDS RECEIVED

O., Akron—W. F. Peters, dir. Pub. Serv., March 12, 30 x 200 ft. concrete trestle and 40 x 98 ft. steel encased concrete bridge, West Market St., from T. E. McShaffrey Constr. Co., 171 South Forge St., $38,320; H. T. French Constr. Co., 683 Noah Ave., $40,389; T. Sheahan, Youngstown (street address not available), $43,355. Engrs. est. $34,632. Noted March 1.

CONTRACTS AWARDED

Mass., Fisherville—Bd. Selectment Town of Grafton, 84 ft. concrete girder bridge, Depot St., here, to E. D. Ward Co., 82 Foster St., Worcester. Engrs. est. $25,000.

N. Y., Massena—F. A. Hough, town clk., substructure for bridge over Grasse River, to Sullivan Constr. Co., 921 Bergen Ave., Jersey City, N. J., $48,996; superstructure, to Phoenix Bridge Co., Phoenixville. $167,500. This corrects report in March 8 issue.

Pa., Beaver—Comrs. Beaver Co., 400 ft. steel and concrete abutment bridge at Walkers Mills, to W. S. Rae, 419 Oliver Bldg., Pittsburgh, $37,800.

Pa., Mayfield—Comrs. Lackawanna Co., Scranton, concrete bridge over Lackawanna River, here, to Anthracite Bridge Co., 300 Genet St., Scranton, $24,617.

Pa., Media—Delaware Co., Plush Mill Bridge 107, (a) lump sum bid, (b) quantity tabulation, from Seeds & Durham, 6314 Wissahickon Ave., Phila., (a) $197,475, (b) $203,380; H. Denburger Contg. Co., Bethlehem, (a) $240,000, (b) $246,040; Mundy Paving Co., 226 South Warnock St., Phila., (a) $245,720, (b) $253,630. Contract awarded to lowest bidder.

Illinois — Dept. Pub. Wks. and Buildings, Div. Highways, Springfield, to Vincennes Bridge Co., Vincennes, Ind., 2 rein.-con. bridges and substructure for 1 steel bridge, Route 1, Sect. 16-B, Lawrence Co. and 1 superstructure for steel span, Route 1, Sect. 16-C, Lawrence Co., $118,626 and $31,094 respectively; R. F. Conway Co., 123 West Washington St., Chicago, 2 concrete bridges Route 26, Sect. 1-B, Stephenson Co., $16,635. Noted Jan. 11.

Minn., Brainerd—State, Crow Wing and Morrison Counties, Bridge 3721, near Crosby, two 60 ft. steel spans, one 140 ft steel center span, 2 concrete piers, 2 concrete abutments, to Minneapolis Bridge Co., 924 Metropolitan Life Bldg., Minneapolis, $25,872. Noted Feb. 15.

Minn., St. Paul—Chicago, St. Paul, Minneapolis & Omaha Ry., 275 East 4th St., rein.-con. bridge over White Bear Ave., to H. C. Struchen, 404 Dakota Bldg., $60,000.

Bridges (Continued)

Kan., Columbus—Comrs. Cherokee Co. 2 concrete arch bridges, one 80 ft., other 130 ft., on Federal Aid Project 142, to Maxwell Constr. Co., Columbus, $37,397. Noted Feb. 22.

Kan., Kansas City—For 100 ft. steel and rein.-con. bridge, 40 ft. roadway, two 10 ft. sidewalks, over Turkey Creek, to Halpin Boyle Constr. Co., 709 Railway Exch. Bldg., Kansas City, Mo., $32,000. Noted March 8.

Calif., Santa Ana—Orange Co., constructing bridge on Coast Highway, in 2nd Rd. Dist., eleven 30 ft. spans on concrete piles, 55 ft. steel girder, to W. Ledbetter Co., Pacific Electric Bldg., Los Angeles, $62,500. Noted March 8.

Dams

PROPOSED WORK

Ark., Helena—See "Excavation, Drainage, Irrigation."

Calif., Petaluma—See "Waterworks."

CONTRACTS AWARDED

Oklahoma—See "Miscellaneous."

Calif., Napa — City, dam for Milliken Canyon water project, Proposition F, consisting of stripping, using concrete rock adjacent to dam site, with sand made from rock, grouting, gunite lining, etc., to Boardwell & Zimmerman, Calistoga, $117,980; cement to F. G. Noyes & Co. and Napa Lumber Co., Napa, $3.11 per bbl.; 48,000 lb. ⅞ in. square reinforcing bars, to Badt-Falk Co., 74 New Montgomery St., San Francisco, $3.43 cwt.; gates valves to Waterworks Supply Co., Call Bldg., San Francisco, $845. Noted March 15.

Calif., Oroville—Oroville-Wyandotte Irrigation Dist., earth fill dam, (material to be furnished by Dist.), to C. A. Bayles, Biggs, $35,711. Noted March 15.

Que., Kemogami—Provincial Government, Quebec, 2 large dams on Chicoutimi and Sable Rivers, and smaller ones on nearby streams, to Nova Scotia Constr. Co., Halifax, $985,682.

Railways

PROPOSED WORK

North Dakota—Great Northern R.R., 534 Metropolitan Life Bldg., St. Paul, Minn., plans relaying 90 to 100 lb. steel between Reach and Stanley, double track between Springbrook and 1 mi. east of Wheelock. $1,000,000. A. H. Hogeland, ch. engr.

Ohio — See "Streets and Roads under Cleevland."

Idaho — Clearwater Timber Co., Clearwater, having surveys made for about 52 mi. standard gage railroad from Orofino, northeast. $3,000,000.

California—Southern Pacific Co., 65 Market St., San Francisco, plans 4 mi. spur track from Richgrove (Tulare Co.) to point new Delano (Kern Co.). G. W. Boschke, San Francisco, ch. engr.

Excavation, Drainage, Irrigation

PROPOSED WORK

Wis., Madison—Dane Co. Drainage Bd. having plans prepared 1¼ mi. open ditch and 6 mi. 8-12 in. vitr. drain tile. E. R. Jones, Capitol Bldg., engr.

Kan., Ottawa—Drainage Bd. Dist. 2, surveys completed drainage of high water zone along Marais des Cygne River. $25,000. Harrington, Howard & Ash, Orear Leslie Bldg., Kansas City, Mo., engrs.

Ark., Helena—White River D. D. 1, located in Phillips, Desha and Monroe Counties, had plans prepared system, 160,000 acres, levees, dams, ditches, also pumping units and pump. $4,500,000. Harrington, Howard & Ash, Orear Leslie Bldg., Kansas City, Mo., engrs.

Idaho—State Legislature, Boise, appropriated $98,000 to drain 10,000 acres state land in Gem Irrigation Dist.

Calif., Petaluma—See "Waterworks."

BIDS DESIRED

N. Y., Newburgh—April 3, by W. J. McKay, city mgr. 2 dams about 2 mi. south of here where southerly branch of Silver Stream crosses under New York City Aqueduct. Fuller & Harding, 170 Bway., New York, engrs.; adv. this issue. Former bids rejected. Noted Aug. 24.

Louisiana—See "Streets & Roads."

Tenn., Savannah—April 14, by Chairman Drainage Com. Hardin Co. excavating, clearing, etc., 2.3 mi. drainage canal Lower Lick Creek D. D. W. H. Stinson, Milan, engr.

Ill., Savanna—March 29 by Comrs. Carroll Co. Drainage and Levee Dist. 1, at office of H. P. Greison, secy., 16 mi. levees and ditches, 768,700 cu.yd. excav., etc. Elliott & Harman Eng. Co., Peoria, engrs.

Ia., Carroll—March 30, by Auditor Carroll Co., drainage work. $60,000. J. F. Maher, Carroll, engr.

Ia., Sioux City — April 3 by W. M. Pritchard, aud. Woodbury Co., for Wolf Creek D.D., near here, 60,000 cu. yd. excav., etc. C. Moriarty, United Bank Bldg., superv. engr. Noted Mar. 15.

Minn., Albert Lea—March 30, by Freeborn Co., Judicial Ditch 9, Sect. 0, 12,714 lin.ft. open ditch, 101,862 cu.yd. excav., leveling spoil banks, 25,428 lin.ft. flood water control structures; Sect. T-40, 619 lin.ft. 6-40 in. tile; Sect. L., laying and backfilling, 15,788 lin.ft. 8-34 in. pipe; Sect. L-2, 17,619 lin.ft. 6-22 in. pipe. $64,394. J. H. Severson, Albert Lea, engr.

Mont., Chinook—March 26, by Zurich Irrigation Dist., Zurich, main canal in Ft. Belknap, Alfalfa and Zurich Irrigation Dists., 3,000 cu.yd. concrete, 150,000 lb. reinforcing, 16,000 lb. structural steel, 1,500 sq.yd. paving, 145,000 ft. lumber, 1,550 ft. steel flume, etc. A. G. Middleton, Chinook, engr.

Colo., Lamar—April 9 (change of date), at office of Granada D. D., Markham Bldg., constructing drainage system. E. H. Gerecke, secy.; adv. this issue. Noted March 8.

Calif., Oroville — April 12, by J. A. Wisner, secy. Oroville-Wyandotte Irrigation Dist., concrete dam (Lost Creek Storage Wks.), 1,000 cu.yd. earth, 1,000 cu.yd. loose rock and 500 cu.yd. solid rock excav., 10,000 cu.yd. masonry. L. Jorgensen, Hobart Bldg., consult. engr.

CONTRACTS AWARDED

Wis., Jefferson—Jefferson Co. Drainage Bd. 4,335 lin.ft. 6-8 in. and 11,415 lin.ft. 12-18 in. tile drainage, 26,000 cu.yd. excav. for shallow outlet ditch; labor to Wisconsin Drainage Co., Elkhorn (street address not available); tile to Waukesha Concrete Tile Co., Waukesha (street address not available). Engrs. est. $25,000. Noted Feb. 22.

Wis., Manawa—Waupaca Co. Drainage Bd. 4.2 mi. open ditch, 58,000 cu.yd, excav, to Rood Constr. Co., Wisconsin Rapids, $0.13 per yd. Noted Feb. 15.

Minn., Redwood Falls—Redwood Falls and Brown Counties, Judicial Ditch 24, 17,490 cu.yd. excav., 36,709 lin.ft. 6-30 in. drain tile, 8 bulkheads, 64 inlets, 57 c.i. grates, to New Ulm Drainage and Constr. Co., New Ulm, $38,610. Noted Feb. 15.

Minn., Redwood Falls—Redwood Co., Ditch 52, (1) Sect. 2, 24,270 lin.ft. 6-18 in. tile, 500 lin.ft. 12 in. sewer pipe, 12 bulkheads, etc., (2) Sect. 3, 22,350 lin.ft. 6-14 in. drain tile, 20 surf water inlets, (3) Sect. 4, 35,700 lin.ft. 6-26 in. drain tile, (4) Sect. 5, 17,000 lin.ft. 6-18 in. drain tile, (5) Sect. 6, 8,500 lin.ft. 28-36 in. drain tile, (6) Sect. 7, 76,050 lin.ft. 6-22 in. drain tile, (a) tile, (b) labor, to National Sewer Pipe Co., Webster City, Ia. (1a) $5,315 (2a) $3,609 (3a) $14,315 (4a) $5,132; What Cheer Clay Products Co., What Cheer, Ia., (5a) $22,693 (6a) $24,665; Trefry & Hendrickson, Redwood Falls, (2b) $2,995 (4b) $4,495; Sodergren & Lofquist, Morton, (3b) $8,969 (5b) $7,650; Peterson & Jorgensen, Wabasso, (1b) $3,330; L. Hansen, Walnut Grove, (6b) $14,244. Noted Feb. 15.

Wash., Prosser—Horse Heaven Irrigation Dist., diverting waters of Klickitat River at foot of Mt. Adams, Klickitat Co., and leading it through 80 mi. main canal to lands in Twps. 6, 7 and 8 N., Benton and Yakima Counties between Yakima and Columbia Rivers, to Warren Bros. Co., Farkman Bldg., Boston, Mass. Work includes 10 x 20 ft. main canal, concrete lined, 7.5 mi. steel siphons, 26,000 lin.ft. rock tunnel, grading includes 2,700,000 cu.yd. earth, 814,000 cu.yd. loose and 1,602,000 cu.yd. solid rock (Columbia basalt), distribution system includes 3,200,000 cu.yd. earth, 103,000 cu.yd. loose and 16,000 cu.yd solid rock excav., 3,000,000 ft. concrete pipe for general distribution to lands. Cost $90 per acre, incl. interest during construction period of 3 years. Authorized issue of $32,000,000 bonds; are issuing $28,000,000. Unit prices are as follows: common earth $0.43 per cu.yd., loose rock $1 per cu.yd., solid rock $1.86 per cu.yd., tunnel $62.50 per lin.ft., steel $0.08 per lb. concrete work $24.35 per cu.yd.

Streets and Roads

PROPOSED WORK

Conn., New Britain—Plans paving South Main St. from Ash to Brook Sts., 34 ft., probably 8 in. concrete, $15,000; Broad St., probably brick and concrete, $27,000. J. D. Williams, city engr.

N. Y., Albany—Bd. Contr. and Supply, takes bids in spring grading, concrete curbing, 5 ft. concrete sidewalk, laying sewer and water mains and asphaltic concrete, willite or concrete paving carriageway of Ramsey Pl., Clermont St. from Western to Melrose Aves., Morris St. from South Lake Ave. to Robin St., Eileen St. and Hawthorne Ave. from Western to Melrose Aves., Melrose Ave. from Edgewood Ave. to Brevator St., Marion Ave. from Western Ave to Cortland St., Hansen and Woodlawn Aves. from Erie St. to Main Ave.; grading, concrete curbing, 6 ft. concrete walks, sewers, and asphalt, asphaltic concrete, willite or concrete paving carriageway of Belvider Ave. from Western Ave. to Clermont St.; repaving South Lark St. from Clinton to Washington Aves.; redressed granite blocks on concrete; concrete sidewalks on north side of Western Ave.; sewer in Western Ave. from Fairlawn Ave. to Clermont St.

N. Y., Albany—Bd. Pub. Wks., plans paving portions of Ontario St., Homestead, Myrtle and Washington Aves. To exceed $25,000. J. G. Brennan, city engr.

N. Y., Cobleskill—Village Bd. had plans prepared new concrete paving. $45,000-$50,000.

N. Y., Lowville—April 3, to vote on $25,000 bonds for rein.-con. road over "Beeches Bridge" dyke. C. H. Arthur, village pres.

N. Y., Manlius — Plans paving various streets. $26,930.

N. Y., Tonawanda—Bd. Pub. Wks. plans paving Main St., brick. $30,000. C. S. Warren, mayor. T. W. Barrally, city engr.

N. Y., Troy—Bd. Pub. Wks. plans grading, curbing and paving Cragin and Lake Aves. $35,989. A. E. Roche, city engr.

N. Y., Troy—Bd. Pub. Wks., plans paving 3rd St. $33,951. A. E. Roche, city engr.

N. Y., Watervliet—H. E. Gabriels, city mgr. and Bd. Pub. Wks. plan paving 19th St. To exceed $25,000.

Pa., Johnsonburg—Plans paving Cushing Ave., brick, concrete or similar material. Engineer not announced.

Pa., Scranton—Plans sheet asphalt and stone block pavements on Vine St. from Taylor to Arthur Aves. $45,010. W. Lafontaine director public works.

Pa., Sharon — Plans sidewalks, curbs, gutters, sewers and water mains in Baldwin Ave. $25,000. L. Burnside, city engr.

W. Va., Parkersburg—Harris Dist., Wood Co., election April 10, to vote on $85,000 bonds, building 13¼ mi. roads. C. E. Pahl, co. clk.

N. C., Fayetteville—Comrs. Cumberland Co., will sell $455,000 bonds April 12, road and bridge construction. D. Gaster, co. treasurer.

N. C., Granite Falls — Having surveys made several miles concrete sidewalks. C. C. Babb, Granite Falls, engr.

N. C., Lincolnton—Comrs. Lincoln Co. plan hard surfacing 5 mi. road from Lockmans Store to Macpelah. $150,000. R. C. Goode, chn.

N. C., Lincolnton—Comrs. Lincoln Co., plan hardsurfacing 10 mi. road from East Main St. to Alaxis. $25,000. R. C. Goode, Chn. Co. Comn.

N. C., Statesville—Iredell Co. (Statesville) and Catawba Co. (Newton) plans completion of highway from Statesville to Newton. $500,000. This road to be built with assistance and under supervision of State Hy. Comn., Raleigh. C. M. Upham, Raleigh, state highway engr.

N. C., Wadesboro—Having surveys made paving principal streets, probably sheet asphalt.

N. C., Winston-Salem—Forsyth Co. plans paving 4 mi. road from Winston-Salem to Davidson Co. line, concrete or asphaltic. $120,000. State Hy. Comn. will probably assist in construction. C. M. Upham, Raleigh, state highway engr.

Florida — State Hy. Dept., Tallahassee, sold $145,000 bonds for street paving. C. A. Browne, state highway engr.

Fla., Gainesville—Plans election to vote on $300,000 bonds for paving, waterworks, light and sewer improvements. J. E. Waugh, city clk.

Streets and Roads (Continued)

Fla., Starke—Bradford Co., rejected bids Rd. No. 12 to Clay Co.; 12.5 mi. road from Starke to New River and from Starke to Clay Co.; 13.3 mi. Lawten to Cross Rds., Lawtey to Clay Co., Starke to Cross Rds. E. R. Neff, Starke, engr. Noted Jan. 18.

Tenn., McMinnville—Plans to pave various streets. $100,000. O. C. Jennings, mayor. Engineer not selected.

Tenn., Murfreesboro—Making plans surfacing, curbing and guttering various streets, 20,000 sq.yd. asphalt, 6,000 lin.ft. concrete curb and gutter. R. E. Lowe, city mgr.

O., Akron—W. F. Peters, dir. Pub. Serv., takes bids in April or May, grading, curbing and paving, etc. 6,950 ft. Delia and Storer Aves., Elinor, Bates and Christie Sts., vitr. brick or asphalt. $159,000. E. A. Kemmler, Delaware Bldg., engr.

O., Canton—Stark Co. cancelled bids opened Feb. 14, grading and paving 5 mi. Canton-Navarre Rd. Noted Feb. 22.

O., Cleveland—Cleveland Ry. Co., c/o P. Wilson, secy., Hanna Bldg., plans laying new steel rails and paving 16 streets, granite block on concrete. $869,807. Private plans.

O., Columbus—Making plans grading, laying necessary water services and sewer connections and paving 480 ft. Bradley St., 50 ft., brick $7,159, asphalt $6,154; 727 ft. Charles St., 40 ft., brick $11,070, asphalt $9,522; 408 ft. alley west of Douglass St., 20 ft., brick $3,276, concrete $2,584; 491 ft. alley north of Mt. Vernon Ave., 16 ft., brick $3,036, concrete $2,371; 699 ft. 2nd alley north of Leonard Ave., 20 ft., brick $4,405, concrete $3,465; 740 ft. alley west of Summit St., 16 ft., brick $4,633, concrete $3,610; 517 ft. alley north of Gates St., 16 ft., brick $3,224, concrete $2,519; 655 ft. alley west of Miller Ave., 15 ft., brick $4,321, concrete $3,469; 2,275 ft. alley west of Oakwood Ave., 20 ft., brick $15,514, concrete $12,652. R. H. Simpson, city engr.

O., Marietta—Plans paving Greene St., 7 in. rein.-con., $100,000; regrading, widening 5 ft. on either side and resurfacing Second St., vitr. brick, $38,969. C. A. Stone, city engr.

O., Youngstown—Plans paving Hartford Ave. and Sillman St. To exceed $40,000. I. Turner, city engr.

Michigan — State Hy. Dept., Lansing, soon takes bids grading and surfacing 7½ mi. concrete highways, Wayne and Hillsdale Counties. F. F. Rogers, state comr.

Michigan—State Hy. Dept., Lansing, soon takes bids grading and concrete surfacing 8 mi. Huron and Monroe Counties. F. F. Rogers, comr.

Illinois—Dept. Pub. Wks. and Buildings, Div. Highways, Springfield, rejected bids concrete paving 0.89 mi. Project 9, Sect. C-1, Madison Co. Noted Jan. 4.

Ill., Rockford—Plans paving 29,140 sq. yd. 14th Ave. $99,900; Winnebago St. $29,700. B. C. Harvey, city engr.

Ill., Rockford—Soon receives bids paving 10th St., $50,600; 18,250 sq.yd. concrete North Main St., $62,500. B. C. Harvey, city engr.

Wis., Waukesha—Making plans concrete paving 10,000 sq.yd. Racine and Fairview Aves., integral curb and gutter. A. P. Kuranz, City Hall, engr.

Ia., Clinton—Plans paving, curbing and guttering 2,000 ft. various streets, 40 ft., brick, bitulithic or sheet asphalt. $28,000. B. R. Anderson, city engr.

Ia., Dunlap—Soon receives bids grading, curbing and 60,000 sq.yd. paving, vitr. brick, asphalt, concrete or asphaltic concrete. $200,000. Henningson Eng. Co., National Bldg., Omaha, Neb., engrs.

Minnesota—County Appropriations for Road and Bridge Construction During 1923:

County	Amount	County Engineer
Aitkin	$79,980	J. L. Tierney, Aitkin
Anoka	40,000	H. B. Childs, Anoka
Beltrami	75,000	S. D. Snyder, Bemidji
Benton	35,000	P. Zeeze, Foley
Big Stone	25,000	F. W. Engdahl, Ortonville
Brown	75,000	C. M. Robertson, New Ulm
Carlton	65,000	N. C. Nickerson, Carlton
Carver	100,000	L. A. Zeman, Chaska
Chippewa	49,736	R. G. Mitchie, Montevideo
Chisago	60,000	H. L. Colwell, Center City
Clay	100,301	E. Martinson, Moorhead
Crow Wing	110,000	W. M. Murphy, Brainerd
Cottonwood	50,000	D. E. Savage, Windom
Faribault	60,000	L. Quarve, Blue Earth
Fillmore	115,000	W. Dunbar, Preston
Goodhue	160,000	J. A. Prior, Red Wing
Grant	45,000	W. E. Burgess, Elbow Lake
Houston	50,000	C. H. Lund, Caledonia
Hubbard	25,000	H. A. Dahms, Park Rapids
Isanti	67,081	P. M. Jorell, Cambridge
Itasca	262,000	H. A. LeSueur, Grand Rapids
Jackson	50,000	W. M. Richmond, Jackson
Kandiyohi	89,868	H. L. Wadell, Willmar
Kittson	60,000	G. H. Nelson, Hallock
Lac Qui Parle	50,000	F. Roe, Madison
Le Sueur	150,000	R. F. Nichols, Le Sueur Center
Lincoln	40,000	J. C. West, Ivanhoe
Lyon	100,000	C. W. Anderson, Marshall
Meeker	90,000	G. H. Marts, Litchfield
Marshall	120,000	J. E. Dishington, Warren
Mille Lacs	45,000	A. Leonard, Milaca
Morrison	92,000	J. E. Viner, Little Falls
Murray	70,000	J. A. Myron, Slayton
Nicollet	50,000	H. W. Daniels, St. Peter
Nobles	135,000	N. S. Thayer, Worthington
Norman	50,000	J. A. Erickson, Ada
Olmsted	130,000	E. R. Boyce, Rochester
Otter Tail	150,000	J. Dieseth, Fergus Falls
Pennington	30,000	B. E. Umland, Thief River Falls
Pine	70,000	H. Jurgensen, Pine City
Pipestone	45,000	E. Keeler, Pipestone
Polk	125,000	E. H. Harding, Crookston
Pope	50,000	F. M. Shepard, Glenwood
Redwood	175,000	J. F. O'Mara, Redwood Falls
Renville	60,000	D. H. Gilchrist, Olivia
Rock	45,000	J. Brown, Luverne
Stearns	90,000	M. J. Cleveland, St. Cloud
Swift	100,000	L. R. Johnson, Benson
Scott	70,000	D. Childs, Shakopee
Wadena	50,000	E. S. Ward, Wadena
Waseca	90,098	D. E. Davison, Waseca
Washington	85,000	J. G. Merton, Stillwater
Wilkin	65,000	M. Brataas, Breckenridge
Wright	90,000	C. E. Stahl, Buffalo

Kan., Atchison—Comrs. Atchison Co. soon take bids grading 3.335 mi. King of Trails Highway, Federal Aid Project 112, 29 ft. $25,000 R. D. Coleman, co. engr.

Kan., Iola—Comrs. Allen Co. plan concrete paving 5.187 mi. Ft. Scott Wichita Highway, Federal Aid Project 125 Sect. B, 18 ft., also two 35-ft. span deck girder bridge over Marmaton River. $150,000. A. Stroup, co. engr.

Kan., Wellington—Sumner Co. plans concrete slab and bridges on 8½ mi. Meridian Highway 35 D and E, 18 ft. $210,000. J. W. Mavity, co. engr.

Neb., Falls City—Plans paving 30 blocks. R. O. Castle, city clk.

Neb., Omaha—Douglas Co. having plans prepared paving with asphalt or concrete 4½ mi. West Dodge St. from Fair Acres to McArdless Mill, 18 ft. L. E. Adams, Court House, engr.

Wyo., Laramie—Plans grading, curbing, paving and incidental work on 3,240 ft. Capitol Ave., 50 ft. $75,000. C. D. Shawyer, city engr.

Tex., Angleton—Brazoria Co. plans grading and shell surfacing 13.82 mi. West Columbia-Anchor Line-Stratton Ridge Highway, 16 ft. $156,000. E. N. Gustafson, Angleton, engr. Rd. Dist. 20.

Tex., Angleton—Brazoria Co. making plans grading, bituminous topping, gravel and shell base on 17.24 mi. Houston-Angleton Highway, State Highway 19 in Rd. Dist. 16, 16 ft. $260,040. H. W. Munson, Angleton, engr. Rd Dist. 16.

Tex., Brady—Election in April to vote on $75,000 bond issue for hard surfacing business section. Baker & Van Zuben, Exch. State Bank Bldg., Ft. Worth, engrs.

Tex., Brenham—Washington Co. making plans grading and bridging 6.3 mi. Gay Hill-Brenham-Phillipsburg Highway, 24 ft., 70,000 cu.yd. earth excav., 500 cu.yd. concrete in structures. $40,000. G. A. Bracher, co. engr.

Tex., Cleburne — Johnson Co. election April 14 to vote on $40,000 bond issue hard surfacing roads. G. W. Courter, Cleburne, consult. engr.

Tex., Ennis—April 3 to vote on $60,000 bond issue for street paving improvements. R. A. McCulloch, city mgr.

Tex., Galveston—Galveston Co. election April 14 to vote on $1,000,000 bonds to improve lateral roads and build permanent pavement on Galveston-Houston Highway. C. C. Washington, co. engr.

Tex., Jasper—Comrs. Jasper Co. plan to surface 9.2 mi. State Highway 7 between here and Angelina Co. line. State Hy. Comn., Austin, granted $50,000. Federal Government will help finance. C. P. Hunter, co. engr.

Tex., Kaufman — Kaufman Co. plans scarifying, reshaping, gravel surfacing and 1½ in. asphalt topping 3.7 mi. State Highway 15 from Terrell east 16 ft., $43,765; bituminous surfacing, gravel base, (road already graded) 6.61 mi. State Highway 15 from Van Zandt Co. line west 18 ft., $73,550; gravel surfacing and bituminous topping (road already graded) 9.4 mi. Dallas-Terrell Rd. from Terrell to Talty-Forney Rd., 18 ft., $138,075. S. J. Treadway, Cartwright Bldg., Terrell, engr.

Tex., Navasota—Attorney Generals Dept., Austin, approved $140,000 bond issue for street paving and improvements. Address Mayor.

Tex., Orange—Orange Co. plans grading and rein.-con. paving 5.25 mi. Orange-Beaumont Highway from Vidor to Jefferson Co. line, 18 ft. $278,000. J. E. Johnson, co. engr.

Tex., Sulpher Springs—April 5, to vote on $40,000 bonds waterworks improvements. Address Mayor.

Okla., Garber—Plans paving Main St. from Railroad Ave. to Choctaw St., 15,000 sq.yd. asphalt. $70,000. V. V. Long & Co., 1300 Colcord Bldg., Oklahoma City, engrs.

Colo., Colorado Springs—Plans paving 102,600 sq.yd. in North Nevada Paving Dist., asphalt or concrete. $342,000. F. O. Ray, City Hall, engr.

Calif., Chico—Takes bids about April 15, paving, curbing and guttering portion Esplanade, 183,600 sq.ft. asphalt macadam, etc. F. S. Robinson, city engr.

Calif., Chico—Takes bids in April, paving, curbing and guttering various streets, 487,000 sq.ft. 1½ in. warrenite on 2½ in. black base, 208,000 sq.ft. 1½ in. warrenite on 3½ in. black base, 128,000 sq.ft. 1½ in. warrenite on 4 in. concrete, etc. F. S. Robinson, city engr.

Calif., Glendale—Had plans prepared improving portions of Chester, Pacific and Doran Sts., 3,867 lin.ft. grading, 3,219 lin.ft. curb, 17,089 sq.ft. gutter, 15,770 sq.ft. walks, 139,120 sq.ft. 5-in. macadam pavement, etc.

Calif., Los Angeles—Los Angeles Co. had plans prepared 23 mi. road from Palmdale to Shoemakes Ranch, 37,000 cu.yd. rock excav., 118,000 cu.yd. earth excav. and borrow, 124,360 lin.ft. shaping roadbed, 168,254 sq.yd. 5 in. asphaltic concrete, 112,767 sq.yd. 6 in. asphaltic concrete, 32,100 sq.yd. 6 in. disintegrated granite pavement, 2,333 ft. 15 in., 2,114 ft. 18 in., 833 ft. 24 in., 259 ft. 30 in., 121 ft. 36 in. and 178 ft. 48 in. corrugated iron pipe, 2,167 lb. reinforcing, 750 bbls. cement, 335 tons sand, 620 tons gravel for concrete, 11,400 tons disintegrated granite. To exceed $500,000.

Calif., Merced—Receiving estimates from engineers for costs various types of pavement, 4 or 5 in. thick, streets in district north of Atchison, Topeka and Santa Fe Ry. To exceed $25,000.

Calif., Mountain View—Plans curbing and guttering 2 mi. streets, also constructing sidewalks in certain sections. To exceed $25,000.

Calif., San Diego — Had plans prepared paving, laying sidewalks, curbing and sewers in Goldfinch, Bush and Ibis Sts., 152,432 sq.ft. 1½ in. asphaltic concrete on 2½ in. bituminous, etc. F. A. Rhodes, city engr.

Calif., San Francisco — City and San Francisco Co. will provide $100,000 in 1923-1924 budget for additional units of Ocean Beach Esplanade project. M. M. O'Shaughnessy, city engr.

Calif., Woodland—Yolo Co. sold $100,000 bonds for constructing highways.

Ont., Fergus—Plans cement pavement on St. Andrew St. $30,000. J. Gregson, reeve.

Ont., Kingsville—Plans concrete pavements on Pearl, Queen and Park Sts. $50,000.

Ont., Leamington—See "Sewers."

Ont., Mt. Forest—Plans new pavements and sewers. $55,000. Prices wanted on materials.

Ont., St. Catherines—Lincoln Co. plans paving roads in Calstor Twp., also main street through Port Dalhousie. $35,000. Engineer not announced.

Ont., Simcoe—Norfolk Co. having plans prepared improving roads. $80,000. G. R. Marston, engr.

BIDS DESIRED

Vt., Burlington—April 5, improving portions Church, Pearl and Winooski Aves., Bank and Battery Sts. E. Corley, city clk.; adv. this issue.

Mass., Newton (Boston P. O.)—March 28, by G. E. Stuart, street comr., 1,500 ft. curbing, 75,000 sq.ft. sidewalk, 25,000 sq.ft. driveway, 50,000 cu.yd. excav.

N. Y., Elmira—March 26, by G. W. Jarchow, city clk., paving East Miller St. and College Ave.; repaving West 3rd St., Maple, Pennsylvania and Railroad Aves.; resurfacing South Main St., brick, rein.-con., warrenite bitulithic or sheet asphalt.

N. Y., Geneva—April 3, by Bd. Pub. Wks., 21,000 sq.yd. pavement, various types. H. K. Seybolt, supt.; adv. this issue.

N. Y., Mayville — March 28, by S. E. Fitch, supt. Chautauqua Co., Jamestown, constructing 3.786 mi. Chautauqua-Stedman and Gerry-Barmore Rds., 16 ft., dual type concrete. $108,281.

Streets and Roads (Continued)

N. Y., White Plains — April 2, by Bd. Supervs. Westchester Co., Court House, rein.-con. roads in towns of Mt. Pleasant, Bedford, North Castle and Yorktown. F. L. Merritt, clk.; adv. this issue.

Pa., Altoona—March 28, by City Council, 19,158 sq.yd. concrete on various alleys and avenues and 1,345 sq.yd. brick on Pine Ave. H. J. Baum, city engr.

Pa., Canonsburg — April 16, by Boro Council, asphaltic concrete surfacing and storm sewers. H. M. Day, 35 West Pike St., boro engr.; adv. this issue.

Pa., New Castle — April 10, by C. E. Brown, city clk., paving Liberty St., vitr. block, concrete, sheet asphalt, or bitulithic on concrete. $25,000.

Maryland—April 3, by State Rds. Comn., Baltimore, paving 19.54 mi. State Highways, Contrs. G-20A, F-53, BC-25A, B-53, CO-33, WI-22, in Garrett, Frederick, Baltimore, Caroline and Wicomico Counties, concrete and asphalt. J. N. Mackall, chn.

Virginia—April 5, by State Hy. Comn., Richmond, constructing 7.26 mi. Project F 246, 6.13 mi. Project F 178, also bridge over Clinch River, Project S 208, etc. H. G. Shirley, chn.; adv. this issue.

Florida—April 4, by State Hy. Dept., Tallahassee, rock base on 5 mi. Rd. 4, Project 546, Brevard Co.; 5 mi. Rd. 4, Project 554, Brevard Co.; 10 mi. Rd. 4, Project 507, Flagler Co. W. F. Cocke, state highway engr.

Fla., Tampa—March 27, grading and paving Palmetto and Melville Aves., 5,760 lin.ft. granite curbing, 8,435 sq.yd. 2½-in. asphalt blocks. $26,000. R. D. Martin, City Hall, engr.

Alabama — April 17, by W. S. Keller, Montgomery, state highway engr., grading and surfacing 11.797 mi. road from Barbour Co. line to Abbeville, Henry Co., 16,905 cu. yd. gravel surfacing, 29,000 cu.yd. sand-clay surfacing, etc.; 13.537 mi. road from Dale Co. line to Louisville, Barbour Co., 4,522 cu.yd. gravel surfacing, 38,460 cu.yd. sand-clay surfacing, etc.

Louisiana—April 10, by State Hy. Comn., Reymond Bldg., Baton Rouge, grading and building canal in Tangipahoa and Baptist Parishes. J. M. Fourmy, state highway engr.; adv. this issue.

Ohio—March 30, by Dept. Highways and Pub. Wks., Columbus, grading, bridging and paving 18.7016 mi. roads in Darke, Erie, Gallia, Miami, Putnam, Richland, Warren and Delaware Counties, rein.-con., bituminous macadam, asphalt or tar, water-bound macadam and brick; also bridge in Fulton Co., concrete girder and bituminous macadam approaches. L. C. Herrick, dir.

O., Akron—March 29, by S. Porter, clk. Summit Co., grading and paving 5.02 mi. Granger-Ghent Rd. 79, A 2, 16 ft., Vaughn-Twinsburg Rd. 111, Sect. B2 and C, 17 ft., and South Main Rd. 50, 16 ft., concrete, bituminous macadam, asphaltic macadam or bituminous concrete. J. Weaver, Court House, engr.

Ind., Salem—April 2, by Comrs. Washington Co., grading and graveling 5.521 ft. Blue River and Pekin Rd., $5,892; grading and paving with broken and crushed stone 42,976 ft. Livonia, Fredericksburg, Salem, Hardinsburg, Salem and Lexington Rds., $58,792. E. E. Batt, co. aud.

Michigan—April 3, by State Hy. Dept., Lansing, grading and surfacing 4.145 mi. road, Charlevoix Co., 44,285 sq.yd. concrete. F. F. Rogers, state comr.

Michigan—April 4, by State Hy. Dept., Lansing, grading and surfacing 5.973 mi. road in Oceana Co., 12,819 cu.yd. excav., 64,105 sq.yd. concrete. F. F. Rogers, state comr.

Michigan—April 5, by State Hy. Dept., Lansing, grading and surfacing 3.028 mi. road, Huron Co., 10,354 cu.yd. excav., 32,204 sq.yd. concrete. F. F. Rogers, state comr.

Michigan—April 6, by State Hy. Dept., Lansing, grading and surfacing 5.3 mi. road, Monroe Co., 34,691 cu.yd. excav., 56,370 sq.yd. concrete. F. F. Rogers, state comr.

Michigan—April 7, by State Hy. Dept., Lansing, grading and surfacing 1.25 mi. road, Clinton Co., 13,200 sq.yd. concrete. F. F. Rogers, state comr.

Mich., Ann Arbor—March 28, by Bd. Pub. Wks., 19,000 sq.yd. pavements in Dists. 52, 53 and 54.

Mich., Bessemer—April 14, by Gogebic Co. Rd. Comn., grading and stone-gravel surfacing 3½ mi. Ironwood-Van. Bushkirk Rd., 15,900 cu.yd. excav., 45,409 sq.yd. stone-gravel. C. F. Winkler,, co. engr.

Mich., Grand Rapids—March 27, by Kent Co. Rd. Comn., grading and gravel surfacing 7.36 mi. Assessment Dist. Rd. 42, 34,940 cu.yd. excav., 69,800 sq.yd. gravel. S. Hess, co. engr.

Wis., Ashland—March 28, by W. C. Morris, clk., paving 33,000 sq.yd. 2nd and 3rd Sts., 5th, 6th, Willis and Prentice Aves., concrete, brick, bitulithic or sheet asphalt. J. Phillips, City Hall, engr.

Wis., Beloit—March 30, by Pub. Wks. Comn., separate bids as follows (a) 1,000 to 9,999 sq.yd. (b) 10,000 to 24,999 sq.yd. (c) over 25,000 sq.yd. of 3 in. vertical fibre brick on 5 in. concrete, sheet asphalt on 5 in. concrete, asphaltic concrete on 5 in. concrete, one course rein.-con. or vibrolithic concrete on various streets and avenues, etc. G. E. Heebink, City Hall, engr. Noted Feb. 22.

Wis., Dodgeville—March 28, by State Road and Bridge Com. Iowa Co., 7,600 cu. yd. crushed rock or tailings on Darlington-Mineral Point Rd., Lewis, Mifflin, Boylan, Boyle and McDermitt Bridges on foregoing; 1,500 sq.yd. concrete paving Mineral Point-Belmont Rd. C. Wonn, comr.

Wis., Juneau—March 30, by A. C. Klug, city clk. concrete paving, etc., Oak, Miller, Fair, Center and Mill Sts., 18,230 sq.yd. concrete, etc. $40,000-$45,000. E. B. Parsons, Jefferson, engr.

Ia., Mason City—March 28 by R. E. Robertson, engr., Mason City, grading, etc. 8 mi. Rockwall-Dougherty Rd., 62,173 yd. earth excav., 11,600 ft. 8 in. and 18,400 ft. 6 in. tile, for Cerro Gordo Co.

Kan., Sabetha—March 30, by E. C. L. Wagoner, engr., 609 Kemper Bldg., Kansas City, Mo., paving 21,000 yd. various streets, concrete, brick or asphaltic concrete.

Minn., Elbow Lake—April 2, by Grant Co., 6.6 mi. Job 2301, State Rd. 2, 72,713 cu.yd. excav., 83,574 cu.yd. overhaul; Job 2302, State Rd. 1, 61,474 cu.yd. excav., 93,904 cu.yd. overhaul, 2,381 lin.ft. 12-48 in. portable culverts, 2 concrete culverts. $30,000. W. E. Burgess, Elbow Lake, engr.

Minn., Hutchinson — March 26, by city, 40,526 sq.yd. paving (bids on various types). 7,801 lin.ft. 10-20 in. storm sewer, 4,215 lin. ft. 8 in. storm water inlet pipe, etc. J. F. Mikulecky, clk. C. L. Pillsbury Co., 1200 2nd Ave. S., Minneapolis, engrs. Noted Dec. 7.

Mo., Maplewood (St. Louis P. O.) — April 4, by J. D. Schuster, mayor, City Hall, grading, curbing and paving 2,001 ft. Oxford Ave. from Big Bend Rd. to St. Elmo St., 1,716 ft. Commonwealth Ave. from tracks of Terminal R.R. to St. Elmo St., 1,680 ft. Cambridge Ave. from Big Bend to St. Elmo Sts., 1,687 ft. Manhattan Ave. from Sussex St. to city limits, all 26 ft. wide, 6½ in. rein.-con. A. H. Beard, 616 Title Guaranty Bldg., St. Louis, engr. Noted Feb. 1.

Tex., Rockwall — March 29, by Comrs. Rockwall Co., road from here to Chisholm, 57,000 sq.yd. concrete, etc. $85,000. J. A. Focht, co. engr.

Okla., Barnsdall—March 26, by J. C. Blankenship, city clk., grading, curbing, guttering and paving Main and 5th Sts., 8,600 sq.yd. vertical fibre brick, etc. $41,880. V. V. Long & Co., 1300 Colcord Bldg., Oklahoma City, engrs. Noted Feb. 22.

Okla., Sayre—March 30, by V. V. Long & Co., engrs., 1300 Colcord Bldg., Oklahoma City, concrete paving 9 blocks, Dist. 7. $65,000.

Colo., Lamar—March 28, by Weiland Eng. Co., engrs., 717-35 Thatcher Bldg., Publo, 32,300 yd. paving, 8,710 ft. concrete curb and gutter, etc., Paving Dist. 1.

Wash., Seattle—March 30, by Bd. Pub. Wks., (a) sluicing 1,496,000 cu.yd. earth from Beacon Hill; (b) paving 23,050 sq.yd. 9th Ave. S. $1,500,000. J. D. Blackwell, city engr. Noted March 1.

Ont., Guelph—March 29, by A. Jaffrey, chn. Bd. Pub. Wks., c/o City Clerk, 15,000 sq.yd. asphalt resurfacing. $30,000. H. S. Nicklin, city engr.

Ont., Kitchener—March 26, by S. Shupe, city engr., 2,000 sq.yd. concrete pavement, 24 ft. wide, 7 in. thick, 10,000 sq.yd. asphalt on concrete, 24-40 ft. wide. $60,000.

BIDS RECEIVED

N. Y., Brooklyn—E. Reigelmann, boro. pres., Boro Hall, opened bids March 14, grading, curbing and asphalt paving (1) Delamere Pl. (2) East 9th St. (3) Foster Ave. (4) Glenwood Rd. (5) 17th Ave. (6) 66th St. (7) 82nd St., from Borough Asphalt Co., 1301 Metropolitan Ave., (1) $8,689 (2) $16,487 (3) $8,946 (4) $15,657 (5) $2,940 (6) $7,933 (7) $6,990; Uvalde Asphalt Paving Co., 1 Bway, New York, (1) $9,756 (2) $16,348 (3) $8,855 (4) $15,537 (5) $2,796 (6) $7,966 (7) $7,017; Cranford Co., 52 9th St., (1) $10,827 (2) $18,417 (3) $10,037 (5) $4,196 (6) $8,834 (7) $7,799; Cleveland Trinidad Paving Co., Flushing, (4) $17,174. Noted March 8.

N. Y., New York—W. J. Flynn, acting pres. Bronx Boro, 3rd and Tremont Aves., March 15, grading, curbing, laying sidewalks, etc., in Yates Ave., from L. Di Minna, $62,294; P. J. Donovan, $64,304; Burnside Contg. Co., 270 Burnside Ave., $65,924. Noted March 8.

N. Y., Wanakah (Hamburg, P. O.)—Wanakah Land Corp., 577 Ellicott Sq., Buffalo, opened bids March 5, removing 1 mi. brick pavement, 16 ft. wide, and building 1 mi. rein.-con. pavement, 18 ft. wide, for Wanakah Curve elimination, from H. Meyer, Lancaster, $26,067; Staples, Mumm & Beals, Orchard Park, $27,850; Peoples Paving Co., 85 Roma Ave., Buffalo, $32,940. Noted March 1.

Pa., Phila.—Dept. Pub. Wks. March 13, paving (1) Clearfield and Ella Sts. (2) Luzerne St. (3) Chestnut St. (4) 13th St. (5) furnishing 20,800 tons crushed stone, from Eastern Paving Co., Colonial Trust Bldg. (1) $27,607 (2) $35,019; Barber Asphalt Paving Co., Land Title Bldg., (1) $28,598 (2) $37,652; Acchiore & Canuso, 804 South 12th St., (3) $20,662; Centroni & Mezzola, Lincoln Bldg., (3) $18,876; Fish-Rutherford Co., Real Estate Trust Bldg., (3) $25,673 (4) $51,675; Municipal Paving Co., Phila., (street address not available) (4) $47,345; J. Mehan & Sons, 915 Dauphin St., (4) $50,227; Birdsboro Stone Co., Land Title Bldg., (5) $55,120; Richards-Kelly Co., Real Estate Trust Bldg., (5) $56,992. Noted March 8.

Ohio—Dept. Highways and Pub. Wks. Columbus, March 13, grading, bridging and paving roads with (a) brick (b) rein.-con. (c) state to furnish brick (d) waterbound macadam (e) asphalt macadam, oil (f) asphalt macadam, lake (g) tar macadam (h) bituminous concrete, oil (i) bituminous concrete, lake, in following counties: **Athens Co., Sect. "A" Pomeroy-Marietta Rd.**, 4.011 mi., from H. Renick, Williamsport, (a) $197,388 (b) $171,498; Winchell & Campbell, Columbus, (street address not available), (a) $203,537 (b) $182,007. **Fairfield Co., Sect. "O-1" Cincinnati-Zanesville Rd.**, 2.408 mi., from F. E. Milligan, Sidney, (a) $110,695 (b) $87,376 (c) $82,173; Bolen & Winchell, Columbus (street address not available), (a) $115,918 (c) $89,673; R. H. Shafer Co., Chamber of Commerce Bldg., Columbus, (c) $87,832; Radebaugh-Graham Co., Columbus, (street address not available), (b) $86,256; J. Wroe, 54 Davis St., Dayton, (b) $89,661. **Fairfield Co., Sect. "O-3" Cincinnati-Zanesville Rd.**, 2.767 mi., from F. E. Milligan, Sidney, (a) $121,176 (b) $96,524 (c) $96,259; Bolen & Winchell, Columbus, (street address not available), (a) $126,382 (c) $103,759; R. H. Shafer Co., Chamber of Commerce Bldg., Columbus, (c) $101,656; Radebaugh-Graham Co., Columbus, (street address not available), (b) $95,162; J. Wroe, 54 Davis St., Dayton, (b) $96,624. **Fairfield Co., Sect. "E-2" Cincinnati-Zanesville Rd.**, 2.274 mi., from F. E. Milligan, Sidney, (a) $76,714 (b) $73,644 (c) $56,942; J. T. Irwin & Son, Sunbury, (a) $82,332; W. H. Ringwold Co., Chillicothe, (a) $82,895; R. H. Shafer Co., Chamber of Commerce Bldg., Columbus, (c) $64,792; Bolen & Winchell, Columbus, (street address not available), (c) $66,442. **Greene Co. Sect. "J" Columbus-Cincinnati Rd.**, 2.62 mi., from J. W. Weeks, 300 Gibbons Arcade, Dayton, (d) $44,486; N. B. Putnam, Van Wert, (d) $44,610; C. V. Rector Centennial Rd., Muncie, Ind., (d) $46,368. **Huron Co., Sect. "S" Norwalk-Mansfield Rd.**, 2.504 mi., from Gluss Bros., Hamler, (b) $63,758; D. M. Roach, Defiance, (b) $64,225; C. L. Straw, Paulding, (b) $65,284. **Logan Co. Sects. "B" and "C-2" Bellefontaine-Marysville Rd.**, 8.832 mi., from Lewis & Copeland, Lima, (b) $271,454. **Mahoning Co., Sect. "Z" Canfield-Poland Rd.**, 2.531 mi., from Barber-Fortin Co., Warren, (e) $59,338 (f) $59,338; C. J. Bower, Farmdale, (e) $61,909 (f) $61,909 (g) $61,909; A. Colucci, 1109 Wilson Ave., Youngstown, (c) $63,702 (f) $63,702 (g) $61,909; Creager Bros., Liberty Center, (g) $63,253. **Mahoning Co., Sect. "A" Salem-Warren Rd.**, 3.1 mi., from Creager Bros., Liberty Center, (e) $52,082; W. McCormick, 361 Kendall Ave., Youngstown, (e) $53,116 (f) $53,116 (g) $52,823; G. B. Smith Co., Youngstown, (street address not available), (e) $54,410 (g) $53,530; J. A. Gialdini, Youngstown, (street address not available), (f) $55,299; W. G. Owen, Mineral Ridge, (f) $56,204; Barber-Fortin Co., Warren, (g) $52,878. **Pike Co., Sect. "Piketon" Columbus-Portsmouth Rd.**, 1.07 mi., from S. Monroe & Sons Co., Portsmouth, (a) $45,872; Anderson & Brown, Chillicothe, (a) $46,082; W. H. Ringwold Co. Chillicothe, (a) $46,585. **Richland Co., Sects. "B-C-D" Mansfield-Norwalk Rd.**, 8.94 mi., from N. B. Putnam, Van Wert, (b) $395,756 (h) $434,204 (i) $434,204; Eldorado Paving Co.,

Streets and Roads (Continued)

(b) $407,287; Radebaugh-Eldorado Co., Columbus, (street address not available), (b) $402,565; P. Drake & Sons, Marion, (h) $438,104; Smith Constr. Co., Youngstown, (street address not available), (h) $438,530; Dorsey Constr. Co., Findlay, (i) $454,864. **Sandusky Co., Sect. "O-1" Fremont-Castalia Rd.,** 0.15 mi., from Modern Constr. Co., Fremont, (d) $3,984. **Wood Co. Sect. "B" Perrysburg-Fostoria Rd.,** 1.549 mi., from W. Sausley Co., Ada, (e) $28,000 (f) $28,000 (g) $29,976; R. Stone Constr. Co., Lima, (street address not available), (e) $29,995 (g) $32,306; W. L. Johnson Co., Hicksville, (e) $31,147; Muldoon & Bergman, Genoa, (f) $32,933; Lawbis Stone Co., Kenton, (f) $35,173; W. H. and H. A. Souder, Fostoria, (g) $31,322. **Huron Co., Sects. "K" and "L" Norwalk-Bellevue Rd.,** 6.204 mi., widening with concrete curb, from J. F. Stambaugh, Ada, $58,691; Putnam & Sunday, Van Wert, $59,346; A. J. Baltes, Norwalk, $59,856. **Huron Co., Sects. "M" and "N" Norwalk-Bellevue Rd.,** 0.476 mi., widening with concrete curb, from J. F. Stambaugh, Ada, $4,516; R. C. Roach, Waterville, $4,517; C. M. Gray, Waterville, $4,813. **Huron Co., Sect. "P" Norwalk-Oberlin Rd.,** 4.708 mi., widening with concrete curb, from A. N. Richards & Sons, Willard, $43,075; R. C. Roach, Waterville, $44,032; Putnam & Sunday, Van Wert, $44,511. **Sandusky Co., Sect. "K" Fremont-Perrysburg Rd.,** constructing culverts, from A. Shackelhoff, Fremont, $2,345; W. A. Ceagle, Clyde, $2,626; H. A. MacDonald, Norwalk, $2,808. Noted March 1.

O., Cincinnati—Hamilton Co., March 16, grading, bridging and paving (1) 8,126 ft. Sharon Ave., 20 ft., 10,000 cu.yd. earth excav., 18,500 sq. yd. concrete, 1,050 cu. yd. 1:2:4 concrete, 30,000 lb. reinforcing, etc., engrs. est. $84,414 (2) 14,780 ft. Ridge Rd., 16 ft., 26,300 sq.yd. bituminous macadam, engrs. est. $40,388, from J. L. Radabaugh, Montgomery, (1) $79,994 (2) $31,425; A. P. Birnbaum, 2671 Cora Ave., (1) $80,080; Bigler Bros., Franklin (1) $81,982; J. S. Slone, 2312 Mound Ave., Norwood, (2) $31,714; W. P. Flynn, 1252 Chase Ave., (2) $35,529.

Michigan — State Hy. Dept., Lansing, March 6, grading and surfacing 3.726 mi. Ionia and Clinton Counties, 23,090 cu.yd. excav., 34,757 sq.yd. gravel, from C. W. McCreery, Ovid, $35,377; Schneider & O'Harrow, Lowell, $35,524. Noted Feb. 22.

Calif., Fresno — City improving (1) Amador St. between H and Van Ness Sts., (a) 51,623 sq.ft. grading (b) 46,080 sq.ft. asphaltic pavement (c) 2,015 sq.ft. concrete pavement (d) 1,843 lin.ft. concrete curb (e) 3,387 sq.ft. gutter (2) Peralta Ave. between Wilson and Lucerne Lane, et al., (f) 77,162 sq.ft. grading (g) 54,859 sq.ft. asphaltic pavement (h) 4,269 ft. concrete gutter (i) 1,845 ft. concrete curb (j) 8,913 ft. cement walks, from California Road & Street Impvt. Co., Bank of Italy Bldg., (1a) $0.059 (1b) $0.219 (1c) $0.265 (1d) $0.65 (1e) $0.35 (2f) $0.059 (2g) $0.219 (2h) $0.35 (2i) $0.65 (2j) $0.235; Thompson Bros., G and Divisadero Sts., (1a) $0.055 (1b) $0.219 (1c) $0.23 (1d) $0.65 (1e) $0.35 (2f) $0.054 (2g) $0.219 (2h) $0.35 (2i) $0.65 (2j) $0.23. Noted Feb. 8.

Calif., San Diego — Common Council, March 12, improving Silverado St., Ivanhoe Ave. and Torrey Rd., (a) 192,016 sq.ft. 5 in. concrete (b) 1,140 lin.ft. cement curb (c) 5,746 sq.ft. cement sidewalk, etc., from G. W. Cushing, c/o Harvard Hotel, (a) $0.238 (b) $0.75 (c) $0.22; H. H. Peterson, Loma Portal, (a) $0.24625 (b) $0.62 (c) $0.20; L. Salcido, La Jolla (a) $0.245 (b) $0.65 (c) $0.22; G. R. Daley, 4430 Boundary St., (a) $0.238 (b) $0.70 (c) $0.22. Noted Feb. 22.

CONTRACTS AWARDED

Mass., Boston—Repairing about 30,000 sq.yd. various streets, bituminous macadam, to Central Constr. Co., 228 Southampton St., $66,600.

Conn., Easton—Bridgeport Hydraulic Co., Main and Gilbert Sts., Bridgeport, plans new layout of portion of North Park Ave. at Bucks Hill, and building new waterbound macadam roadway, $60,000. Work will be done by day labor. Private plans.

N. Y., Buffalo—Paving various streets, to Rock Asphalt & Constr. Co., Morgan Bldg., Morgan Bldg., $128,751; Wyoming Ave., to H. P. Burgard Co., 1968 Fillmore Ave., $12,175, all standard asphalt on concrete.

N. Y., Fonda—Montgomery Co. will construct 1½ mi. highway in town of Palatine, bituminous macadam, $9,274, ½ mi. in Canajoharie, top dressing, $2,000, ½ mi. in Glen, top dressing, $2,000, highway in Florida, asphaltic macadam, $25,470, 3 mi. in Root, asphaltic macadam, $25,000 and 2½ mi. in Amsterdam, asphaltic macadam, $27,000, by day labor.

N. Y., Johnstown—Fulton Co. will improve 3½ mi. Johnstown-West Galway Rd., 14 ft., bituminous macadam, $16,000 per mi.; resurface 3½ mi. Green Lake-Hamilton Co. Line Rd., 3,000 and 1½ mi. Phelps St., $2,000, both gravel and oil, by day labor under supervision of H. S. Gage, co. supt. highways.

N. Y., Mayville — Chautauqua Co. will pave 1.15 mi. Westfield-Barcelona Co. Aid Highway 50, bituminous macadam, $25,471; 3.18 mi. Busti-Sugar Grove Co. Aid Highway 51, $95,818, 3.09 mi. Stillwater-Kiantone Co. Aid Highway 52, $84,138, and 3.73 mi. Laona-Arkwright Co. Aid Highway 54, $123,623, all foregoing concrete, by day labor.

Md., Baltimore—Bd. Awards, grading, curbing and paving with cement concrete and old granite blocks, Contr. 229-OCNA, to Aiello Constr. Co., Knickerbocker Bldg., $29,673. Noted Feb. 22.

W. Va., Clarksburg—Harrison Co. concrete paving 6,200 ft. Laura Lee Rd., to P. S. Horner & Co., Clarksburg, $42,297; 1 mi. Boothville Rd., to N. M. Leigh, Clarksburg, $31,702. Noted Feb. 22.

Fla., Starke—Bradford Co., Rd. No. 3 to New River, to Bryson Livestock Co., Jacksonville, (street address not available), $18,310. Noted Jan. 18.

O., Akron—W. F. Peters, dir. Pub. Serv., grading and paving 1,500 ft. 5th Ave., 26 ft., brick, to McAlonan Bros., 197 West Buchtel Ave., $30,628, engrs. est. $30,529; 300 ft. Lee Dr., 16 ft., concrete, and 400 ft. Marion Pl., 24 ft., brick, to Hollinger & Davidson, 435 South Bway., $3,534 and $8,608 respectively, engrs. est. $3,029 and $8,740 respectively; 450 ft. Bank alley, 16 ft., concrete, also grading and laying sidewalks on 1,500 ft. Clifton and Birchwood Aves., to Schroeder & Caputa Constr. Co., 1950 West Federal St., Youngstown, $2,897 and $8,630 respectively, engrs. est. $3,529 and $8,663 respectively. Noted March 15.

O., Cincinnati—Hamilton Co. grading and paving 4,230 ft. Oak Rd., 16 ft., to Brenson & Van Horn, 2381 Kemper Lane, $12,474, engrs. est. $15,128; 8,980 ft. Van Zandt Rd., 16 ft., to J. Rubel Constr. Co., 1872 Hanfield St., $20,327, engrs. est. $25,595; 8,530 ft. Baughman Rd., 16 ft., to Nugent & Scull, R.R. 3, Harrison, $19,598, engrs. est. $23,272, all bituminous macadam. Noted March 15.

O., Dayton—Montgomery Co. paving 1 mi. Brandt St., Kentucky rock asphalt on concrete, to E. Ryan, Clifton and Clark Sts., Springfield, $27,911. Engrs. est. $30,000. Noted March 1.

O., Ravenna—Grading and asphaltic concrete paving Meridan St., to H. W. Cowles, Ravenna, $50,043. Noted Feb. 22.

Illinois—Dept. Pub. Wks. and Bldgs., Div. Highways, Springfield, concrete paving (1) 5.82 mi. Route 26, Sect. 1 Ogle-Stephenson Co. (2) 6.06 mi. Project 47, Sect. 64 St. Clair Co. (3) 2.99 mi. Project 47, Sect. 65 Monroe Co. (4) 3.24 mi. Project 49, Sect. 13, Kankakee Co. (5) 5.57 mi. Project 49, Sect. 14, Kankakee-Livingston Co. (6) 7.75 mi. Project 49, Sect. 15 Livingston Co. (7) 1.59 mi. grading Route 1, Sect. 16-A, Lawrence Co., to R. F. Conway Co., 133 West Washington St., Chicago, (1) $114,165 (4) $73,373 (5) $124,894 (6) $144,752; Keely Bros. Contg. Co., 2100 State St., East St. Louis, (2) $118,167 (3) $49,833; Dees Bros., Oblong, (7) $70,597. Noted Jan. 4.

Ill., Rockford—To A. E. Rutledge, 502 Mead Bldg., concrete paving 17,010 sq.yd. St. Clair, Prairie and Madison Sts., engrs. est. $64,100, 14,840 sq.yd. Elm and South Elm Sts., engrs. est. $48,500, and brick paving 18,000 sq.yd. Court and Green Sts., engrs. est. $38,900; Milburn Bros., 18th and Charles Sts., concrete paving 16,600 sq.yd. Paris, Rural, Chicago and Oak Lawn Aves., engrs. est. $51,160; Hart & Page, 110 North Court St., concrete paving 16,495 sq.yd. 16th Ave. and 13th St., engrs. est. $60,030.

Wis., Appleton—Outagamie State Road and Bridge Com. Appleton-Seymour Rd., to Parker-Wunderlich Co., Greenville, 13,322 cu.yd. earth excav. $0.65, 12,866 sq.yd. concrete surfacing $2.49, etc., total $47,058; Clintonville-New London Rd., to W. Tate, Bear Creek, 7,845 cu.yd. earth excav. $0.85, 8,315 sq.yd. concrete surfacing, $2.60, etc., total $30,690. Noted March 15.

Wis., Elkhorn—Walworth Co. Road and Bridge Comn., concrete surfacing, etc. 9 mi. Lake Geneva-Geneva Junction Rd., to R. R. Bridsall Constr. Co., 1025 12th St., Racine, $223,185. Noted March 8.

Wis., Monroe—Green Co. State Rd. and Bridge Com. improving Illinois State Line-Monroe Rd., to J. O. Legreid, Stoughton, 33,787 sq.yd. concrete surfacing $1.56, etc., total $66,968.

Wis., Waukesha—Waukesha Co. Road and Bridge Com., Oconomowoc-Monterey Rd., to Nickell & Grahl Constr. Co., Waukesha, 24,637 cu.yd. earth excav. $0.90, 57,140 sq.yd. 18 ft. concrete surfacing, $1.27, etc., total $120,933. Noted March 8.

Wis., West Bend—Washington Co., Milwaukee-Germantown Rd., to Monad Constr. Co., Waukesha, 15,000 cu.yd. earth excav. $0.82, 32,200 sq.yd. concrete surfacing $1.42, etc., total $72,634. Noted March 8.

Wis., Wisconsin Rapids—Concrete paving 22,400 sq.yd. various streets, to F. Bossert Constr. Co., Wisconsin Rapids, $52,100. Noted March 8.

Ia., Boone—For 70,000 sq.yd. vibrolithic concrete, to Bryant Asphalt Paving Co., Waterloo, $2.62. Noted Dec. 14.

Ia., Chariton—For 42,000 sq.yd. vibrolithic concrete paving with 7 in. integral curb, to O'Rourke Eng. Co., 1215 Mulberry St., Des Moines, $2.96. Noted Feb. 22.

Ia., Fairfield—To J. C. Blunk, Ottumwa, 13,700 sq.yd. vibrolithic concrete $2.64 per sq.yd.; R. E. Shackelton, Perry, 47,000 ft. curb and gutter $1.03 per ft., 11,300 sq.yd. brick $3.50.

Ia., Le Mars—Paving, curbing and guttering about 78 blocks, vibrolithic concrete, to Moore-Young Constr. Co., Waterloo, $330,000.

Ia., Marshalltown—Marshall Co., grading 13.064 mi. road south of here, to Longerbone Bros., 15th and Market Sts., Des Moines, 171,709 cu.yd. excav. $0.26 per cu.yd.

Ia., Tipton—To W. Horrabin Constr. Co., 15 East College St., Iowa City, 31,776 sq. yd. bitulithic paving and 8,638 sq.yd. resurfacing, 19,508 ft. concrete curb and gutter, 15,934 cu.yd. excav., $113,216.

Minn., Willmar — Kandiyohi Co., gravel surfacing to K. Brown, Atwater, 7 mi. Job 2301, Rd. 2, load and haul 7,000 cu.yd., and 19 mi. Job 2305, Rd. 6, 19,000 cu.yd., $22,000, to C. Byers, Jackson, 13 mi. Job 2302, Rd. 5, 13,000 cu.yd., 8½ mi. Job. 2303, Rd. 9, 8,500 cu.yd., 9 mi. Job. 2304, Rd. 20, 9,000 cu.yd., 10½ mi. Job 2306, Rd. 17, 5,250 cu.yd., $22,000.

S. D., Madison—Paving Dist. 15, 6,000 sq.yd. vibrolithic, to C. H. Atkinson Paving Co., Brookings, $2.99. Noted Feb. 8.

Wyo., Casper—To Scott & Curlee, Sterling, Colo., 577,500 sq.ft. 4 in. concrete and 8,000 sq.ft. 6 in. concrete sidewalks, 5 ft. wide, 5,000 sq.ft. 6 in. concrete, 12 ft. wide, all on 4 in. gravel cushion, 4,700 lin.ft. alley crosswalks and street crossings, 4,000 lin.ft. concrete curb, 20,000 cu.yd. earth excav. and 40,000 sta. yd. overhaul, $122,817. Noted Feb. 15.

Tex., Beaumont — Paving Fannin St. from Park to Victoria Sts., Mariposa St. from Crockett to Liberty Sts., Pine St. from Mulberry to Ash Sts., Railroad Ave. from Sabine to College Sts., 1½ in. Uvalde rock asphalt, to Uvalde Rock Asphalt Co., Beaumont, $2.79 per sq.yd., total $209,902. Engrs. est. $200,000. Noted March 8.

Tex., Dallas—Paving Pacific St. from Lamar St. to Central Ave., 25,000 sq.yd. bithulithic, and Peabody St., 11,000 sq.yd. bitulithic, to Central Bitulithic Co., Praetorian Bldg., $106,838 and $43,603 respectively. Engrs. ests. $100,000 and $40,000 respectively. Noted March 15.

Tex., Kaufman—Kaufman Co. grading, gravel surfacing and pile trestle bridges on 10.74 mi. Highway 40, Big Bushy Creek to Dallas Co. line, 16 ft., to F. P. McElwrath, Corsicana, $87,490. Noted March 15.

Tex., Palestine—Paving various streets, incl. 24,000 sq.yd. warrenite bitulithic, 1,000 ft. curb and gutter, 400 cu.yd. excav., to Gulf Bitulithic Co., Kress Bldg., Houston, $55,925.

Tex., Seguin—Guadalupe Co. grading and gravel surfacing 9.5 mi. State Highway 3 between here and Gonzales Co. line, 18 ft., to P. Hansen, 2216 West Houston St., San Antonio, $33,482; rein.-con. drainage structures on above, to J. W. Goodrun, Seguin, $22,627. Noted March 15.

Nev., Sparks — Paving and sewers in portions of B St., to Clark & Henery Constr. Co., Ochsner Bldg., Sacramento, Calif., $29,794.

Calif., Los Angeles—Improving Kenmore St., 92,840 sq.ft. grading, 325 sq.ft. concrete pavement, 92,515 sq.ft. warrenite pavement, 3,226 ft. concrete gutter, etc., to Warren Constr. Co., 5444 Hollywood Blvd., $29,600; Canal Ave., 49,666 sq.ft. asphalt pavement, 21,594 sq.ft. walks, etc., to Grimith Co., Los Angeles Ry. Bldg., $25,545.

Streets and Roads (Continued)

Calif., Los Angeles — Concrete paving, curbing, guttering and laying sidewalks on Hillhurst Ave., to W. Liddington, 420 East 60th St., $86,466. Noted March 15.

Calif., Oroville—Butte Co. grading and gravel surfacing Butte City-Chico Rd., to Collins & Seppi, Stockton (street address not available), $39,856; Honcut-Palermo Rd., Route 27, to Heafey, Moore & McNair, 2030 High St., Oakland, $52,218. Noted March 15.

Calif., Salinas—Monterey Co. paving Salinas-Watsonville and Aromas Rds., 553,000 sq.ft. asphalt macadam, to Granite Constr. Co., Watsonville, $53,887.

Calif., San Bernardino—Bd. Supervs. San Bernardino Co., paving with 5-in. concrete, curbing, guttering and constructing concrete retaining wall on Hellman Ave., to J. F. Knapp, Turlock, $109,600.

Calif., Santa Barbara—Santa Barbara Co. grading and paving San Marcos Rd., to A. B. Cook, Santa Barbara, $27,000. Noted Feb. 15.

Calif., San Diego—Common Council paving Laurel, Kalmia, Brant and Curlew Sts., to G. R. Daley, 4430 Boundary St., $59,882; Maple, Nutmeg and Olive Sts., to California Constr. Co., Union Bldg., $29,793. Noted March 8.

Calif., Santa Barbara — Santa Barbara Co., improving Casa Loma sub-division, 8,900 cu.yd. grading, 11,200 lin.ft. combined concrete curbs and gutters, 56,000 sq.ft. cement walks, to C. T. Richardson, Santa Barbara, $28,295.

Calif., Tulare—Paving with 4 in. concrete, curbing, guttering and laying sidewalks on L St., to Frederickson & Shannon, Cory Bldg., Fresno, $51,732. Noted March 15.

Industrial Works

PROPOSED WORK

Mass., East Braintree (Boston P. O.)—East Braintree Bleachery soon awards contract 3 story, 53 x 55 ft. plant addition, and 1 story, 20 x 22 ft. power house, brick and timber, plain foundation, Adams St. $40,000. Private plans.

Mass., Uxbridge—Uxbridge Worsted Co. had plans prepared by G. P. Carver, engr., 261 Franklin St., Boston, 48 x 53 ft. power house. $40,000.

R. I., Providence—S. Bomes, 60 Dorrance St., having plans prepared by G. H. Wolf, archt., 308 Caesar Misch Bldg., 1 story, 100 x 100 ft. garage and service station, brick and steel, Warrenton St. and Elmwood Ave. $40,000.

N. Y., Buffalo — J. M. Navadel, 3205 Bailey Ave., plans 2 story, 35 x 102 ft., brick and tile garage and service station. To exceed $40,000. Engineer and architect not announced.

N. Y., Cascade Mills (Dresden, P. O.)—Yates Electric Light & Power Co., Penn Yan, had plans prepared new electric power plant here. $500,000. F. D. Berry, dir. Engineer not announced.

N. Y., East Pembroke—E. H. Miller & Son plan rebuilding feed and grain mill, recntly destroyed by fire. $60,000. Engineer and architect not announced.

N. Y., Fancher—A. H. Phillips, Holberton, is at head of syndicate which plans cold storage plant, here. $150,000-$200,000.

N. Y., Lowville—Acme Road Mchy. Co., Frankfort, had plans prepared 80 x 300 ft. steel and concrete factory, here. $50,000-$60,000.

N. Y., New Hartford—Campbell Refining Co., Kendrick Bldg., Utica, purchased plant of New Hartford Canning Co., and plans oil storage and warehousing plant, brick, concrete and steel. $50,000-$60,000.

N. Y., North Tonawanda—Creo-Dipt Co., Oliver St., plans rein.-con. brick and steel plant addition. $200,000. Engineer and architect not selected.

N. Y., Oxford—Oxford Basket Co. plans new concrete, brick and steel factory. $80,000-$100,000. Address E. S. Sharp, c/o owner.

N. Y., Orchard Park—A. J. Schreiber, Jr., Hamburg, plans concrete and steel garage, Buffalo and West Quaker Sts., here. $40,000-$50,000.

N. Y., Rochester—L. Holtz & Sons, Inc., had plans prepared 3 story, 82 x 170 ft., steel and concrete factory, Hudson Ave. $200,000.

N. Y., Schenectady—General Electric Co., River Rd., plans 1 story, 60 x 425 ft. addition to Bldg. 60, to be used for turbine shops and office. $75,000.

N. J., Trenton—New Jersey Porcelain Co. having plans prepared by Fowler-Seaman Co., archts., Broad St. Bank Bldg., 1 story, 200 x 200 ft., brick plant and 6 kilns, New York Ave. $80,000.

Pa., Altoona—M. S. Koller & Son, 1001 11th St., plan 4 story and basement, 72 x 150 ft., concrete, brick and steel warehouse, Green and 11th Aves. $150,000. Engineer and architect not selected.

Pa., Allentown—J. L. Lordan plans 5-story, concrete, brick and steel warehouse, 16th St. $400,000. Engineer and architect not announced.

Pa., Erie—Erie Co. Milk Assn. plans 2-story, 52 x 87 ft. concrete, brick and steel power house, Peach St.

Pa., Phila.—B. Bernheim & Sons, 3rd and Master Sts., soon take bids 4 story and basement, 80 x 80 ft. rein.-con. and brick factory, plain foundation, 1401 North 3rd St. $150,000. E. B. Rothchild, 1420 Chestnut St., archt.

Pa., Somerset—P. A. Schell & Co., 11 West Main St., plans 3-story and basement, 90 x 100 ft., concrete and brick warehouse and store, Main St., $150,000.

Md., Baltimore — F. A. Munsey Co., Munsey Bldg., soon lets contract 2 story, basement, and sub-basement, 96 x 200 ft. plant, Courtland and Centre Sts. $450,000. McKim, Meade & White, 101 Park Ave., New York City, archts. Noted Jan. 11.

N. C., Greensboro — Rucker Warehouse Co. plans 3 story, cotton storage warehouse, brick. $160,000. P. C. Rucker, pres.

N. C., Waco—P. Rhodes, Lincolnton, and citizens of Waco, plan 5,000 spindle (ultimately 10,000 spindle) cotton mill, here.

N. C., Worthville—Leward Cotton Mills, Inc., plans doubling plant, now 5,000 spindles, includes extensions, enlargement of village and electrification of present power plant. Lockwood, Greene & Co., Piedmont Bldg., Charlotte, engrs.

S. C., Pamplico—Wagoner Lumber Co. plans to rebuild lumber mill and plant, recently destroyed by fire. $50,000. Engineer and architect not announced.

Fla., Tampa—Bentley-Gray Dry Goods Co., Tampa and Twiggs Sts., having plans prepared 4 story, 100 x 105 ft., and 2 story, 40 x 100 ft., wholesale building, fireproof, Zack St. $150,000. Engineer and architect not named.

Miss., Poplarville—Love Lumber Co. plans to rebuild lumber and planing mill, recently destroyed by fire. $100,000. Engineer or architect not announced.

Miss., Wiggins—Finkbine Lumber Co. plans lumber mill, 125,000 ft. daily capacity. $300,000. Engineer and architect not announced.

Ky., Carter—Ashland Limestone Co. plans 1 story, power house, brick. $60,000.

Ky., Central City—J. Barnes Auto Co. having plans prepared by Marr & Holman, archts., Stahlman Bldg., Nashville, Tenn., 1 story and basement, 70 x 165 ft., garage, brick. $40,000.

O., Cleveland—Anders & Reimers, archts., Erie Bldg., soon let conract 3 story, brick, steel and concrete plant addition, West 65th St. along tracks of Cleveland, Cincinnati Chicago & St. Louis R.R., for Theuer Norton Co., 3136 West 63rd St. $100,000.

O., Cleveland—National Malleable Castings Co., c/o R. Ewing, constr. engr., Quincy Ave. and Woodhill Rd., had plans prepared 3-story and basement, 60 x 105 ft. pattern building, brick, steel and concrete. $75,000. Private plans.

Mich., Detroit — Aubin Terminal Corp., 707 Free Press Bldg., having plans prepared by G. M. Hopkinson, engr., 5716 Euclid Ave., Cleveland, O., 8 story, 195 x 389 ft. rein.-con., brick and steel warehouse terminal, dock and wharf, West Jefferson Ave. and West Grand Blvd. $3,000,000.

Ill., Chicago—Baers Express and Storage Co., 1927 Milwaukee Ave., having plans prepared by Whitney & Williams, archts., 122 South Michigan Ave., 5 story, 44 x 100 ft. warehouse, rein.-con., brick and steel, 1929 Milwaukee Ave. $150,000.

Ill., Chicago—Crocker, Kracow & Gerber, c/o D. S. Klafter, archt., 64 West Randolph St., having plans prepared 2 story garage and office, rein.-con., brick and steel, 4117-25 Bway. $275,000.

Ill., Chicago—Harrington & King Perforating Co., 614 North Union Ave., plans 1 story, rein.-con., brick and steel factory, 60,000 sq.ft. floor space, Fillmore and Waller Sts. $275,000. G. C. Nimmons Co., 122 South Michigan Ave., archts.

Ill., Chicago — Marquette Cement Mfg. Co., 140 South Dearborn St., having plans prepared by L. E. Ritter, engr., 140 South Dearborn St., 1 story, 175 x 500 ft. warehouse, rein.-con., brick and steel, Elston St. near Redfield St. $350,000.

Wis., La Crosse—J. A. Weisse, Caledonia and Gllett Sts., having plans prepared by O. J. and R. F. Sorenson, archts., 216 Main St., 1 story, 70 x 200 ft., millwork factory, boiler house, dry kiln, storage buildings and shaving vault, brick and steel, plain foundation. $100,000.

Wis., Madison—University of Wisconsin, Administration Bldg., plans 1 story, central heating plant, brick and rein.-con. $88,000. M. E. McCaffery, secy. Engineer and architect not selected.

Wis., Manitowoc—Globe Steam Laundry, 14th and Washington Sts., having plans prepared by Smith & Reynolds, archts., Dempsey Bldg., 2 story, 46 x 120 ft., brick, rein.-con. and steel laundry, plain foundation. $50,000. Noted March 1.

Wis., Phillips — G. J. Goetsch having plans prepared 2 story, 60 x 80 ft. garage and repair shop, brick, rein.-con. and steel, plain foundation. $40,000. Private plans.

Wis., Plymouth—E. A. Juul, archt., 211 Security Bldg., Sheboygan, preparing plans 1 story, 60 x 150 ft., garage and repair shop, brick, rein.-con. and steel. $50,000. Owners name withheld.

Wis., Port Washington—City plans installing central heating plant and system, new boilers in present water and light plant, extending pipes, building, etc., rein.-con., brick and steel, plain foundation. $125,000. J. Kaiser, Jr., mayor. Engineer not selected.

Wis., Sheboygan — Madewell Chair Co., South Water and Wisconsin Sts., having plans prepared rebuilding 2 story, 50 x 90 ft., factory, recently destroyed by fire, brick and timber, plain foundation. $40,000. Private plans.

Ia., Sioux City—International Milling Co., Grain Exch. Bldg., plans to enlarge present building. $100,000. F. A. Bean, New Prague, Minn., pres. Engineer and architect not selected.

Minn., Plainview—Wisconsin Pea Canners Co., c/o H. L. Wedertz, mgr., 6th and Franklin Sts., Manitowoc, Wis., having plans prepared by Smith & Reynolds, archts., Manitowoc, Wis., 4 story, 50 x 60 ft. factory, rein.-con. and brick, here. $40,000.

N. D., Fargo—Fargo Laundry Co. and Hegge Bros., having plans prepared by Keith & Kurke, archts., Equity Bldg., 2 story and basement, concrete and brick laundry. $75,000.

Mont., Missoula — Northern Pacific Ry. Co., 5th and Jackson Sts., St. Paul, Minn., plans roundhouse, here. $40,000. H. E. Stevens, ch. engr.

Tex., Corpus Christi — Voted $200,000 bonds to construct municipal gas plant also $150,000 for laying gas mains and conduits. P. G. Lovenskiold, mayor. Engineer not selected.

Tex., Dallas—Dallas Refining Co., Southwestern Life Bldg., plans cracking plant, minimum capacity to start, 1,000 bbl. daily, along tracks Texas & Pacific R.R. and West Dallas Pike. $150,000-$175,000. Engineer and architect not announced.

Tex., Denton—State appropriated $110,000 for heating plant at College of Industrial Arts, here.

Tex., Electra—Griswold Oil Co. making plans and takes bids in spring 2,500 gal. cracking plant and pipe lines, along tracks Ft. Worth and Denver City R.R. $100,000. Private plans.

Tex., Mexia—Mexia Textile Mills, c/o B. F. Stollenwerk, making plans and takes bids in summer 5,000 spindle cotton mill. $300,000. Engineer and architect not announced.

Okla., Ardmore — Colvert Ice Co. Inc. having plans prepared by J. White, archt., 101 West Main St., 2 story and basement, 60 x 110 ft. plant, brick. $50,000.

Okla., Muskogee — Midland Valley R.R. plans 2 story and basement, 40 x 150 ft. supply depot, rein.-con. and brick. $125,000. C. Kaighn, ch. engr.

Okla., Tonhawa—City having plans prepared 1 story, 50 x 70 ft., power plant, brick, 4th and Oteo Sts., $70,000. Ruckel Eng. Co., Interurban Bldg., Hutchinson, Kan., engrs.

Idaho, Ahsahka — Grangeville Electric Light and Power Co., Grangeville, having surveys made for 4,000 hp., hydro-electric plant, daming North Fork Clearwater River, and transmission lines to Orofino.

Calif., Long Beach—E. M. John, 1020 East 2nd St., et al., having plans prepared by W. H. Austin, archt., 1st Natl. Bank Bldg., 12 story, newspaper plant and office.

Industrial Works (Continued)

concrete and brick, Bway. To exceed $750,000.

Calif., Los Angeles—Quality Electric Co., 416 East 3rd St., had plans prepared by W. D. Lee, archt., 610 Grosse Bldg., 1 story and mezzanine, 40 x 175 ft., factory, brick, 812 San Pedro St.

Calif., Richmond—Pacific Sanitary Mfg. Co., 67 New Montgomery St., San Francisco, had plans prepared rein.-con. extensions to factory, here. $150,000. Work will be done under supervision of W. Von Hoelfen, supt. of construction, c/o owner.

Calif., San Francisco — City and San Francisco Co. plan car repair shops, rein.-con., block bounded by Mariposa, 17th, York and Bryant Sts. M. M. O'Shaughnessy, city engr.

Calif., San Jose — San Jose Mercury-Herald, 20 West Santa Clara St., plans 3 story, newspaper plant and office, fireproof, San Fernanado and 3rd Sts. $150,000.

Calif., Santa Rosa—V. H. Fahrner (Fahrner Motor Co.), plans garage and autosales room, on 132 x 240 ft. site, Mendocino Ave. $150,000.

Que., Montreal—See "Buildings."

Ont., London — Teasdall Hosiery Mills, Ridout St., plans factory, Ridout St., $200,000.

Ont., Sarnia—Consolidated Stamping & Mfg. Co., 4848 Woodward St., Detroit, Mich., plans factory, Campbell St., here. $75,000.

BIDS DESIRED

Conn., Hartford—March 24, by Golden-Storrs & Co., archts. and engrs., 118 Asylum St., 4 story, 40 x 52 ft. factory, rein.-con. and brick, plain foundation, for Standard Mattress Co., 71 North St. $40,000. Noted Feb. 15.

Conn., South Norwalk—W. W. Dawson, archt., 12 Washington St., receiving bids 3 story, 50 x 80 ft. and 10 x 50 ft. factory additions, brick and timber, for G. S. Roth & Son Co., 42 Water St. $40,000.

Pa., Chestnut Hill (Phila. P. O.)—F. V. Nichels, archt., 15 South 21st St., Phila., taking bids 1 and 2 story, 189 x 285 ft. brick and steel plant, plain foundation, for Glenn Willow Ice Co., 4517 Main St., Manayunk, (Phila. P. O.) $250,000.

Pa., Creighton—Pittsburgh Plate Glass Co., Frick Bldg., Pittsburgh, will build 1 story, 60 x 1,000 ft., concrete, brick and steel plant, here. $3,000,000. Work will be done by separate contracts. Noted Jan. 18.

Pa., Jeannette — March 24, by Amer. Window Glass Co., Farmers Bank Bldg., Pittsburgh, 1 story, part basement, 42 x 160 ft., 42 x 102 ft. and 48 x 84 ft. plant, incl. gas producer, boiler house and power house, brick and steel. $250,000. Private plant. L. J. Pierce, c/o owner, engr.

Pa., Phila.—J. F. Vodges, Jr., archt., Lansdowne, taking bids 2 story and basement, 80 x 160 ft. brick and steel plant, plain foundation, Hermit Lane and Germantown Ave., for Woods & Logan, Lena and Erlham Sts. $50,000.

S. C., Greenwood — Grendel Cotton Mill Co., receiving bids 4 story addition, 12,000 spindles and 300 looms, to Mill No. 2. $500,000. J. P. Abney, pres.

Ill., Blue Island—March 28 by Federal Refrigerating Co. c/o City Ice and Fuel Co., Cadillac Bldg., Cleveland, O., 1 story, 101 x 123 ft., 62 ft. high, ice storage plant, brick, steel and concrete, here. $150,000. C. C. Coneby, Cadillac Bldg., Cleveland, O., archt. and engr.

Ill., Chicago—C. O. Liska, archt., 189 West Washington St., receiving bids 2 story, 201 x 454 ft. factory, rein.-con., brick and steel, 1801-74 North Lamon Ave., for W. F. Bleck & Co., 1846 Lamon Ave. $200,000.

Wis., Madison—E. Tough, archt., Conklin Bldg., taking bids 2 story, 36 x 70 ft., service station, brick, rein.-con. and stone, plain foundation, for J. E. Teckemeyer, 807 University Ave. Noted March 1.

Wis., Madison—P. M. Homer, archt., 1 East Main St., taking bids 3 story, 50 x 65 ft. shop, brick and rein.con., plain foundation, for C. Rieder, 615 University Ave. $50,000. Noted Feb. 1.

Wis., Milwaukee—Leenhouts & Guthrie, archts., 424 Jefferson St., taking bids 1 story, 106 x 118 ft., brick and timber warehouse, plain foundation, Virginia St., for National Lead Co., 52 2nd St. $45,000. Noted Jan. 18.

Wis., Milwaukee—Erich Schroeder Co., engrs. and archts., 405 Bway., taking bids 3 story and basement, 70 x 115 ft., brick and timber factory, plain foundation, for Fried-Ostermann Co., 623 Reed St. $60,000.

Tex., Waco—Waco Lime Products Co. taking bids for mill. $300,000. B. F. Litsinger, pres. Private plans.

Calif., Los Angeles—Morgan, Walls & Morgan, archts., Van Nuys Bldg., receiving bids 5 story, 60 x 270 ft. warehouse and office, rein.-con., 1st and Alameda Sts., for Los Angeles Soap Co., 633 East 1st St.

CONTRACTS AWARDED

Mass., Chelsea (Boston P. O.)—Forbes Lithograph Mfg. Co., P. O. Box 5130, Boston, 4 story, 100 x 210 ft. warehouse, rein.-con. and brick, Forbes St., here, to Aberthaw Constr. Co., 27 School St., Boston. Archts. est. $300,000.

Mass., Everett — Beaudry Co., Inc., 45 Bromfield St., Boston, 1 story, 70 x 142 ft. foundry, rein.-con. and brick, plain foundation, Parkway, here, to H. Shiels, 1079 Columbus Ave., Boston. $50,000.

R. I., Providence—M. F. Williams Co., 409 Pine St., 1 story, 50 x 160 ft. plant with 30 x 50 ft. ell, brick and steel, plain foundation, Maincentre, to C. I. Bigney Constr. Co., 357 Westminster St. Archts. est. $40,000.

Mass., Pittsfield — General Electric Co., Morningside, 2 story, 50 x 80 ft. factory addition, brick and rein.-con., plain foundation, to Austin Co., 217 Bway., New York City. Archts. est. $40,000.

Mass., Springfield — Mack Motor Truck Co., 278 Chestnut St., 2 story, 80 x 200 ft. garage with 35 x 80 ft. ell, rein.-con. and brick, plain foundation, State St., to E. Radding Constr. Co., 377 Main St. Archts. est. $60,000.

N. J., Camden — Warren Webster Co., Pearl St., 2 story, 180 x 340 ft. factory, rein.-con. and brick, plain foundation, to Austin Co., Bulletin Bldg., Phila. Archts. est. $75,000.

Pa., Hatboro—Roberts & Manders Stove Co., 11th and Washington Sts., Phila., 3 story, 60 x 200 ft. and 2 story, 40 x 150 ft. brick and steel plant, plain foundation, to Austin & Co., Bulletin Bldg., Phila., $175,000. Noted March 8.

Pa., Montgomery—Stokes Mfg. Co., Montgomery, 2 story and basement, 68 x 119 ft. concrete and stone factory, to Heller Bros., Montgomery. Archts. est. $50,000.

Pa., Phila.—D. and M. Markovitz, c/o Carson & Carson, archts., 22 South 15th St., 4 story and basement, 62 x 106 ft. rein.-con., brick and steel garage, plain foundation, 1214-1220 Filbert St., to Long & White, 44 Arnat St. Archts. est. $200,000.

Pa., Pittsburgh—R. G. Jackson, Keown Sta., 5 story and basement, 60 x 150 ft., rein.-con. and steel warehouse and office, 1st Ave. and West St., to J. A. McKay, Butler Pike, Allison Park. Archts. est. $150,000. Noted Feb. 1.

W. Va., Charleston—Libby Owens Co., Nicholas Bldg., Toledo, O., 2 story, 45 x 240 ft., factory additions, brick and steel, here, to H. J. Speiker, Elm and Utica Sts., Toledo, O. Engrs. est. $300,000. Noted Feb. 1.

Ga., Chickamauga — Crystal Springs Bleachery, 1 and 2 story, 135 x 400 ft. bleachery, adjoining present plant, brick, plain foundation, to Batson Cook Co., Columbus (street address not available). $180,000.

Ga., Rossville—Peerless Woolen Mills 60 x 450 ft. addition, to T. S. Moudy, 607 Oak St., Chattanooga, Tenn., $80,000.

O., Cleveland—Federal Brass Co., 1000 Champlain Ave., 1 and 2 story, 89 x 139 ft., brick and steel factory, East 27th St. near Payne Ave., to H. G. Slatmyer & Son Constr. Co., 203 Lakeside Ave. Archts. est. $60,000.

O., Cleveland—New Method Wet Wash Laundry Co., 6916 Wade Park Ave., general contract 1 story, 69 x 100 ft., brick, steel and concrete factory, East 70th St. and Wade Park Ave., to Austin Co., 16112 Euclid Ave. Archts. est. $40,000.

O., Cleveland—F. B. Stearns Co., Euclid Ave. and Lakeview Rd., 2 story, 220 x 300 ft. factory and enameling plant, brick and rein.-con. flat slab, Euclid Ave. along tracks of New York, Chicago & St. Louis R.R., to S. W. Emerson Co., 1836 Euclid Ave. Archts. est. $300,000.

O., Cleveland—M. H. Foote, 1571 Columbus Rd., 2 story, 42 x 110 ft., brick and steel factory, East 140th St. north of St. Clair Ave., to G. A. Rutherford Co., 2725 Prospect Ave. Archts. est. $50,000. Noted March 15.

O., Shelby—Shelby Spring Hinge Co., 2 story, 40 x 162 ft., brick, steel and concrete factory addition, to M. Crawford & Son and D. Weaver, Shelby. Archts. est. $75,000.

Mich., Detroit—Pennsylvania R.R., 1368 Penobscot Bldg., 2 story, 65 x 800 ft. rein.-con., brick and steel freight terminal and loading platform, West Congress St., to H. G. Christman & Co., 315 Stephens Bldg., $450,000.

Mich., Jackson—Amer. Gear & Mfg. Co. altering and building 75 x 125 ft. brick and steel heat treating plant, concrete loading docks and connecting bridge to machine shop, to Everett-Winters Co., 751-754 Book Bldg., Detroit.

Ill., Chicago — Washburn-Crosby Co., Chamber of Commerce Bldg., Minneapolis, Minn., 4 and 7 story, 75 x 149 ft. plant, rein.-con., brick and steel, 104th and Commercial Sts., here, to Foltz & Brand, 111 West Washington St., $185,000.

Ill., Chicago — Justrite Mfg. Co., 2061 Southport Ave., 4 story, 65 x 100 x 175 ft. factory, rein.-con., brick and steel, Southport Ave. near Clybourn Ave., to W. Adams Co., 209 South La Salle St. Archts. est. $80,000.

Wis., Chilton—Hingiss & Bessler, Kiel, 1 story, 60 x 150 ft., brick and concrete garage, plain foundation, here, to Franz Radloff Co., Plymouth. Archts. est. $40,000. Noted Feb. 8.

Wis., Green Bay—Western Lime & Cement Co., 68 Wisconsin St., Milwaukee, will build 2 story, 70 x 82 ft., lime plant, brick and steel, plain foundation, by day labor; 300-ft. dock, concrete and wood piling, piling to Greiling Bros., East Walnut St. Engrs. est. $100,000.

Wis., Kenosha—Frost Mfg. Co., Fremont Ave., will build 1 story, 60 x 100 ft. factory addition, brick and steel, plain foundation, by day labor; steel to Kenosha Boiler & Structural Co., Linden Ave. Archts. est. $45,000.

Wis., Milwaukee—Wisconsin Plumbing & Heating Supply Co., 296 Reed St., 1 story, 34 x 140 ft., brick and timber warehouse, plain foundation, to Starck Bros., 265 23rd Ave. Archts. est. $45,000.

Wis., Milwaukee—National Straw Wks., 449 18th Ave., 4 story and basement, 60 x 78 ft., addition to warehouse, brick and timber, plain foundation, to E. Steigerwald Co., 3603 Vliet St. Archts. est. $65,000. Noted Feb. 22.

Wis., Milwaukee—E. A. Swendson, 714 National Ave., 1 story and basement, 150 x 200 ft., brick and concrete garage, plain foundation, to Madson, Christenson & Ingbretson, 1289 National Ave. Archts. est. $75,000. Noted March 1.

Wis., Milwaukee—Pawling & Harnischfeger Co., 38th St. and National Ave., 1 story, 100 x 350 ft., machine shop, brick and steel, plain foundation, to W. W. Oeflein, 86 Michigan Ave. Archts. est. $150,000.

Wis., Oshkosh—Medberry-Findelsen Co., 58 Algoma St., 3 story and basement, 42 x 100 ft., brick and concrete warehouse, plain foundation, to C. R. Meyer & Sons, 50 State St. Archts. est. $40,000. Noted Feb. 15.

Wis., Plymouth—Phenix Cheese Co., 2 story, 45 x 50 ft., cheese factory and warehouse, brick and rein.-con., plain foundation, to P. Welling, Plymouth. Archts. est. $40,000.

Wis., Racine—Crescent Material Co., 468 College Ave., gravel plant and machinery, rein.-con. and brick, along Root River, to Racine Constr. Co., 468 College Ave. Archts. est. $40,000.

Wis., Stevens Point—R. E. Newby, 212 Strongs Ave., will build 2 story and basement, 70 x 124 ft., brick, tile and concrete garage, plain foundation, Church and Main Sts., by day labor. $50,000. Noted Feb. 22.

Ia., Sioux City—Sioux City Brick and Tile Co., 9 West 3rd St., general contract 5 story, 60 x 80 ft. machine shop, also 44 x 136 ft., 44 x 126 ft., 60 x 60 ft., 38 x 59 ft., 38 x 44 ft. and 24 x 52 ft., all foregoing 1 story, brick and frame, to W. Klinger, Warnock Bldg., $100,000.

Minn., St. Paul—St. Paul Gas Light Co., 6th and Cedar Sts., general contract 100 x 225 ft. generating plant and 60 x 150 ft. pulverizing plant, rein.-con., Island in Mississippi River, to G. J. Grant Constr. Co., 906 Exchange Bank Bldg. Noted Jan. 11.

Kan., Smith Center—S. C. Walker will build 3 story and basement, 40 x 100 ft., warehouse and cold storage plant, hollow tile, by day labor. $50,000. W. E. Grover, Stormont Bldg., Topeka, archt.

Mo., Kansas City—Amer. Ice Co., Agnes and Guinotte Aves., 1 to 2 story and basement, 80 x 127 ft., rein.-con. and brick plant, 4730 Tracy Ave., to Collins Bros., 1601 Grand Ave., $57,000. Noted Feb. 1.

Industrial Works (Continued)

Mo., St. Louis—Laclede Gas Light Co., Laclede Gas Light Bldg., 1 and 2 story, 100 x 175 ft., rein.-con., brick and steel garage and shop, Forest Park Blvd., to Gamble Constr. Co., 620 Chestnut St. Archts. est. $50,000. Noted March 1.

Mo., St. Louis—Von Hoffman Press, 9th and Walnut Sts., 7 story, 64 x 125 ft., rein.-con., brick and steel plant addition, plain foundation, 9th St., to Gamble Constr. Co., 620 Chestnut St. Archts. est. $175,000. Noted Jan. 11.

Mo., St. Louis—United Bakeries Corp., Grand Blvd. and Natural Bridge Rd., 1 and 2 story, 75 x 130 ft., rein.-con. and brick plant, plain foundation, Benton St., to W. C. Harting, Commercial Bldg. Archts. est. $100,000. Noted March 1.

Tex., Brownwood—Helious Gasoline Co. will build refinery, 6,600,000 cu.ft. gas daily capacity, or 10,000 gal. gasoline casing head plant, by day labor. $250,000. Private plans.

Oklahoma—See "Miscellaneous."

Calif., Oakland—State Dept. Pub. Wks., Sacramento, power house, recreation building, employees' cottage and women's shop building, at Industrial Home for Adult Blind, here, to F. W. Maurice, 1362 East 25th St., $45,760. Noted March 1.

Calif., San Francisco—Moody Estate Co., Kohl Bldg., three 2 story and basement, rein.-con. warehouses, Townsend and Bluxome Sts. near 6th St., to K. E. Parker Co., 519 California St., $213,000.

B. C., Waneta—Waneta Power Co., first unit, 4,000 hp. hydro-electric and nitrogen fixation plant (ultimately 400,000 hp.) on Pend D'Oreille (Clarks Fork) River, to Nettleton Bruce & Ashbaugh, Amer. Bank Bldg., Seattle, Wash., $300,000. Plant when completed will be able to furnish power for construction of main dam and plant. Total est. cost $4,000,000. Noted Nov. 9 under "Dams."

Buildings

PROPOSED WORK

Mass., Boston—Lodge—Boston Lodge of Elks, 10 Somerset St., having preliminary plans prepared 11 story, 100 x 150 ft., rein.-con., brick and stone, Tremont and Warrenton Sts. $2,000,000. Engineer and architect not selected.

R. I., Providence—Church—St. Badalberts Church having plans prepared by H. Ludorf, archt., Main St., New Britain, Conn., 140 x 160 ft., brick and terra cotta, plain foundation, Attwells Ave. $170,000.

Conn., Hartford—Apartment—J. Howard, Lancaster Rd., West Hartford, having plans prepared by Berenson & Moses, archts., 30 Allyn St., 4 story, 90 x 120 ft., rein.-con. and brick, plain foundation, here. $200,000.

Conn., Hartford—Apartment—J. O. Osterland, 637 Wethersfield Ave., having plans prepared by B. Sellew, archt., 721 Main St., three 3 story, 41 x 180 ft., brick, plain foundations, Washington St. $200,000.

Conn., New Britain—Apartment—G. A. Quigley, 297 Main St., plans 4 story, West Main St. $160,000. Engineer and architect not selected.

Conn., New Haven—Parish House—C. S. Palmer, archt., 114 Whitney Ave., soon lets contract 3 story and basement, 150 x 200 ft., brick and stone, plain foundation, Church and Wall Sts., for Trinity Church Parish. $300,000. Noted Jan. 18.

Conn., Norwalk — Church — St. Paul Protestant Episcopal Church having plans prepared by Fowler-Seaman & Co., archts., Broad St. Bank Bldg., Trenton, N. J., 1 story, 48 x 140 ft., brick and stone. $150,000. L. B. Howell, pastor.

N. Y., Brooklyn—School—Bd. Educ., 500 Park Ave., New York, having plans prepared by W. H. Compert, archt. and engr., Flatbush Ave. extension and Concord St., 5 story, 178 x 195 ft., brick, steel and stone, plain foundation, West 3rd St. near Sheepshead Bay Blvd., here.

N. Y., Buffalo—Science—City having preliminary plans prepared by Esenwein & Johnson, archts., Ellicott Sq. Bldg., 3 story, 220 x 260 ft., rein.-con., terra cotta and stone, Humbolt Parkway. $1,000,000.

N. Y., Elmira Heights—Lodge—Heights Masonic Lodge plans brick, concrete and steel lodge. $175,000-$200,000.

N. Y., Liverpool—School—Bd. Educ. plans modern school. $150,000-175,000. A. W. Hemingway, pres.

N. Y., Mayville — High School — Voted $160,000 bonds for new school, West Chautauqua St. N. Lincoln, village pres. Noted Feb. 15.

N. Y., New York—Exchange—New York Telephone Co., 15 Dey St., having plans prepared by McKenzie, Voorhies & Gmelin, archts. and engrs., 342 Madison Ave., 4 story top addition, brick, steel and stone, 121 West 73rd St. $800,000.

N. Y., New York—Hospital—St. Marks Hospital, c/o Hunt & Hunt, archts. and engrs., 28 East 21st St., plans brick, steel and stone, plain foundation, 233 East 11th St., $500,000.

N. Y., New York—Theatre—W. Hagedorn, c/o T. W. Lamb, archt. and engr., 644 8th Ave., having plans prepared 2 story, brick, steel and stone, plain foundation, Fordham Rd. $300,000.

N. Y., Ogdensburg — Church — Catholic Parish plans stone, concrete and steel. $150,000-$175,000. J. H. Conroy, bishop.

N. Y., Rochester—Church—Building Committee of Parsells Ave. Baptist Church plans new church. $150,000. Address F. H. Divine, c/o owner.

N. Y., Schuylerville—School—Bd. Educ. plans new school. $150,000-$160,000.

N. Y., Scotia—High School—Voted $270,000 bonds new high school, Sacandaga Rd. A. Gawson, village clk. Noted Feb. 1.

N. J., Newark—Apartment—J. Shacket, c/o F. Grad, archt. and engr., 245 Springfield Ave., having plans prepared 4 story, brick, steel and stone, plain foundation, Avon Pl. $150,000.

N. J., West Hoboken—Bank—National Bank of North Hudson having plans prepared by L. Feinen and G. F. Bial, archts., 3697 Hudson Blvd., Jersey City, brick, steel and stone addition, plain foundation, 141 Summit Ave. $200,000.

Pa., Altoona—Nurses Home—Altoona Hospital Bd., c/o H. Slutaker, having plans prepared by Crow, Lewis & Wick, archts., 200 5th Ave., New York City, 4 story, 40 x 105 ft., brick, limestone and terra cotta addition. $150,000.

Pa., Altoona—Store—M. Berman, 2621 Broad Ave., takes bids about May 1, 3 story and basement, 25 x 150 ft., brick and steel, 1313 11th Ave. $150,000. Engineer and architect not selected.

Pa., Bradford—High School—Bd. Educ. plans $280,000 bond issue for new school. Engineer and architect not selected.

Pa., Corry—Hotel—Hotel Corry Inc., plans 75 room hotel. $200,000-$250,000. C. B. Porter, secy. Engineer and architect not announced. Noted Aug. 24.

Pa., Indiana—Church—First Methodist Episcopal Church having plans prepared by J. T. Simpson, archt., 620 Essex Bldg., Newark, N. J., 1 story, 80 x 110 ft. and 40 x 40 ft. $250,000.

Pa., Johnstown — High School — School Dist. having plans prepared by J. E. Adams, archt., Nemo Bldg., 3 story and basement, 225 x 300 ft. concrete, brick and steel, Somerset Ave. $700,000.

Pa., Lebanon—School—Bd. Educ. having plans prepared by Ritcher & Eiler, archts., Reading, for Henry Houch School, 5th Ave. and East Weidman St. $250,000.

Pa., Phila. — Apartment—Acme Realty Co., 1332 Lombard St., soon takes bids 3 story, 50 x 132 ft. brick and stone, 1732 Christian St. $150,000. C. H. Wilson, 2038 Berks St., archt.

Pa., Phila. — Apartment — Home Realty Co., 1332 Lombard St., soon takes bids 3 story and basement, 50 x 130 ft. brick and steel, plain foundation, 1732-36 Christian St. $150,000. C. H. Wilson, 2038 Berks St., archt.

Pa., Phila.—Apartment—A. H. Muller, archt., 901 Walnut St., soon takes bids 4 story and basement, 45 x 60 ft. with 2 wings, each 37 x 90 ft., brick, steel and stone, plain foundations, Overbrook Sect. $1,000,000. Owner's name withheld.

Pa., Phila.—Church—North West Memorial Church, c/o H. R. Stackhouse, archt., 1120 Locust St., soon takes bids 1 story and basement, 85 x 180 ft. brick, steel and stone, plain foundation, 28th St. and Lehigh Ave. $150,000.

Pa., Phila.—Clubhouse—Girard Craftsmen Club, 20th and Chestnut Sts., soon takes bids 7 story and basement, 60 x 161 ft. rein.-con., brick and steel, 20th and Chestnut Sts., $600,000. C. S. Adams, 2038 Spruce St., archt.

Pa., Phila.—Office—C. Kahn, Morris Bldg., soon takes bids 15 story and basement, 150 x 225 ft. rein.-con., brick and steel, Broad and Catherine Sts. $1,500,000. L. B. Rothchild, 215 South Broad St., archt.

Pa., Pittsburgh — Y. M. C. A., Magee Bldg., having plans prepared by Y. M. C. A. Building Bureau, 347 Madison Ave., New York City, 4½ story and basement, 60 x 170 ft. brick and stone, North Ave. and Monterey St. $250,000.

Pa., Scranton—Sanitorium—Comrs. Lackawanna Co. having plans prepared by D. H. Morgan, archt., Connell Bldg., brick addition to sanitorium on West Mountain.

Pa., Warren—School—Election in April to vote on $600,000 bonds for new Junior High School and additions to old ones.

Pa., Watsontown—High School and Hall—Bd. School Directors, takes bids in summer 3 story and basement, 90 x 115 ft. brick, Canal St. $150,000.

Pa., Wilkes-Barre—Apartment—H. Mallander, 167 Barney St., having plans prepared by R. M. Herr, archt., Simon Long Bldg., 3 story, brick, West Ross and West River Sts., to exceed $150,000.

Pa., Wilkes-Barre—Hotel—Mallow Hotel Corp. having plans prepared by Warren & Wetmore, archts., 16 East 47th St., New York City, 14 story, 50 x 130 ft., South Franklin St. $1,000,000. Former plans for hotel and theatre abandoned. Noted March 15.

D. C., Wash.—Store—Hecht & Co., 7th and F Sts., having plans prepared by J. Hunt, archt., 30 North Michigan Ave., Chicago, store addition. $2,000,000.

W. Va., Charleston—Bank and Office—Kanawha Valley Bank having plans prepared by A. C. Bossom, archt., 680 5th Ave., New York City, 100 x 120 ft., probably 19 story, brick, steel and stone, Kanawha St. $1,500,000. S. L. Dickensen, pres.

N. C., Chapel Hill—College—State Bd. Educ., Raleigh, plans constructing and equipping various buildings and dormitories, on campus, here. $1,650,000. H. W. Chase, pres. T. C. Atwood, Chapel Hill, archt.

N. C., Charlotte—Office—Textile Office Bldg., c/o W. L. Stoddart, archt. and engr., 9 East 40th St., New York City, having plans prepared 15 story, brick, stone and steel.

N. C., Charlotte—Theatre—J. H. Cutter, Commercial Bank Bldg., having plans prepared by W. L. Stoddard, archt., 9 East 40th St., New York City, 3 story. $200,000. Noted March 1.

N. C., Raleigh—College—State College of Agriculture and Engineering plans physics and chemistry building, brick, on campus. $200,000. W. C. Riddick, pres. Engineer and architect not selected.

N. C., Raleigh—Dormitories—North Carolina State College of Agriculture & Engineering, plans 2 dormitories, on campus. $300,000. W. C. Riddick, pres. Engineer and architect not selected.

N. C., Raleigh—Institutional—State Hospital plans constructing and improving buildings, Dix Hill. $394,000. A. Anderson, supt.

Fla., Clearwater — School — Pinellas Co. School Bd. plans election to vote on $150,000 bonds for school. R. S. Blauton, secy.

Fla., Tampa — Auditorium — American Legion having plans prepared by F. J. Kennard, Krause Bldg., and F. O. Adams, Grand Theatre Bldg., for auditorium. $300,000.

Tenn., Chattanooga — Schools — Plans schools in First Dist., Jefferson St. and Orange Grove. $675,000. Plan $1,000,000 bond issue to meet demands. F. Frazier, comr. schools.

Ky., Bardstown—Hotel—W. O. Stiles is at head of syndicate being formed, which plans 6 or 7 story. $300,000. Engineer and architect not announced.

Ky., Louisville—Home—Masonic Widows & Orphans Home, 2nd St. between C and D Sts., plans group of buildings on 124 acre site, on Shelbyville Rd., near here. $1,200,000. J. Garnett, Starks Bldg., chn. building com.

O., Cincinnati—Sales—Bauer Auto Sales Co., 6th St. between Bway. and Sycamore St., having plans prepared by C. J. Kiefer, archt. and engr., 4th National Bank Bldg., 4 story, rein.-con. and terra cotta, plain foundation. $150,000.

O., Cleveland—Commercial—A. D. Taylor and C. W. Brainard, 4614 Prospect Ave., plan 3 story and basement, 33 x 135 ft., brick, steel and concrete, 4319 Carnegie Ave. $150,000. Engineer and architect not selected.

O., Cleveland—Exchange—Ohio Bell Telephone Co., 4300 Euclid Ave., plans 74 x 198 ft., probably 8 story, brick, steel and concrete, Huron Rd. and East 8th St. $1,000,000. A. N. Symes, 4300 Euclid Ave., engr. Architect not selected.

Buildings (Continued)

O., Dayton—Hospital—Miami Valley Hospital, constructing campaign to raise $500,000 for 4 story, rein.-con. and brick addition, plain foundation, Apple St. Engineer and architect not selected.

O., Lakewood (Cleveland P. O.)—City Hall and Fire House—Plans 2 story, brick, steel and concrete. $150,000. E. A. Hill, City Hall, mayor. Engineer and architect not selected.

O., Mansfield—City Hall, Police and Fire Stations—Having sketches made by V. Redding, archt., Mansfield, 3 story and basement, brick, steel and concrete. $175,000. C. Stander, dir. Pub. Serv.

O., Marietta—Bank and Office—Weary & Alford, archts., 1923 Calumet St., Chicago, rejected bids 10 story and basement, 50 x 114 ft., brick, stone, steel and terra cotta. 2nd and Putnam Sts., here, for Peoples Banking & Trust Co. $400,000. Will readvertise. Noted March 8.

O., Massillon—Club—Local Lodge Masons plan clubhouse. $200,000. Engineer and architect not selected.

O., Rocky River—Commercial, Apartment and Theatre—Four Way Impvt. Co., c/o J. H. MacDowell, archt., 510 Bulkley Bldg., Cleveland, having plans prepared 1 and 3 story and basement, brick and steel, Detroit Rd., here. $200,000.

Mich., Detroit—Apartment—Calomeni & Sons, 2901 St. Jean Ave., having plans prepared by P. R. Rossello, archt., 406 Congress Bldg., 3 story, basement and central court, 80 x 100 ft. brick, steel and stone, plain foundation, St. Jean Ave. $250,000.

Mich., Detroit—Apartment—C. E. E. Stansell, 1522 Sycamore St., having plans prepared by Van Leyen, Schilling, Keough & Reynolds, archts., 3440 Cass Ave., 4 story and basement, 60 x 90 ft. rein.-con., brick and steel, plain foundation, 2nd Blvd. and Henry St. $200,000.

Mich., Detroit—Nurses Home—Childrens Hospital, Farnsworth Ave., having plans prepared by A. Kahn, archt., 1000 Marquette Bldg., 5 story, 54 ft. high, 150 x 225 ft., rein.-con., brick, steel and stone, plain foundation. Farnsworth Ave.

Mich., Detroit—Office—B. C. Wetzel & Co., archts., 2317 Dime Bank Bldg., preparing plans 11 story and basement, 90 x 94 ft. rein.-con., brick and steel, plain foundation. Library Ave. $550,000. Owner's name withheld.

Mich., Detroit—Theatre—B. F. Keith Theatre Co., 720 Euclid Ave., Cleveland, O., plans 3 or more stories, rein.-con., brick and steel, plain foundation. $3,000,000. Engineer and architect not selected.

Mich., Lansing—School—Bd. Educ., City Hall, having plans prepared by J. N. Churchill, archt., Lansing, 2 story and basement, 20 room, rein.-con., brick and steel, plain foundation, Kalamazoo St. $250,000.

Mich., Saginaw—Office—Byers & Waier (archts. and owners), Saginaw, preparing plans 4 story and basement, brick and steel, plain foundation. $200,000.

Ill., Chicago—Apartment—Ainlake Building Corp., c/o L. B. Steif, archt., 64 West Randolph St., having plans prepared 6 story, 110 x 295 ft., rein.-con., brick and steel, Ainslee and Lake Sts. $750,000.

Ill., Chicago—Apartment—C. W. Christensen, archt., 1818 Greenleaf St., preparing plans 3 story, 50 x 125 ft., rein.-con., brick and steel, Lakewood and Farwell Aves. $175,000. Owner's name withheld.

Ill., Chicago—Apartment—P. F. Reynolds, c/o S. N. Crowen, archt., 10 South La Salle St., having plans prepared 3 story, 130 x 165 ft., rein.-con., brick and steel, Aldine Ave. near Sheridan Rd. $300,000.

Ill., Chicago—Apartment—A. Sommers c/o T. A. Herr and S. N. Crowen, archts., 10 South La Salle St., plans 11 story, 30 x 88 ft., rein.-con., brick and steel, 211 East Delaware Ave., $500,000.

Ill., Chicago—Apartment and Store—J. Hanfman c/o D. S. Klafter, archt., 64 West Randolph St., plans 3 story and basement, 175 x 300 ft., rein.-con., brick and steel, Morse and Hillsdale Sts. $700,000.

Ill., Chicago—Hotel, Theatre and Office—Chicago Auditorium Assn., c/o R. F. Clinch, 209 South La Salle St., plans 25 story, Michigan Ave. and Congress St. $15,000,000. Architect not selected.

Ill., Chicago — Office — See "Industrial Works."

Ill. Chicago—Store and Office—J. Horwitz, 10 South La Salle St., having plans prepared by Denson & Oman, archts., 5 North La Salle St., 2 story, rein.-con., brick and steel, Lincoln and Robey Sts. $175,000.

Ill., Evanston—Apartment—W. H. Bell, c/o H. A. Mulder, archt., 140 South Dearborn St., Chicago, having plans prepared 3 story and basement, 175 x 175 ft., rein.-con., brick and steel, Ridge Ave. $275,000.

Ill., Evanston — Apartment — A. H. Quitsow, archt., 11 South La Salle St., Chicago, preparing plans 3 story and basement, 94 x 156 ft., rein.-con., brick and steel, Hinman Ave. near Kedzie St. $150,000. Owner's name withheld.

Wis., Janesville — Theatre — D. Jeffris Theatre Co., 14 West Milwaukee St., had revised plans prepared by M. Tullgren & Sons, archts., 425 East Water St., Milwaukee, 1 story and basement, 60 x 200 ft., brick, steel and concrete, plain foundation. West Milwaukee St., $150,000.

Wis., Madison—Church—Bethel Lutheran Congregation, c/o O. J. Siljan, pastor, 729 East Forham St., having plans prepared by Balch & Lippert, archts., Gay Bldg., 2 story, 60 x 150 ft., brick, rein.-con. and stone, plain foundation. Gorham St. $150,000.

Wis., Madison—High School—Bd. Educ. plans 3 story addition to east side high school, incl. gymnasium and auditorium, brick, rein.-con. and steel, plain foundation. $200,000. T. W. Gosling, 22 West Dayton St., supt. schools.

Wis., Madison—Office—Washington Bldg. Corp., 357 Washington Bldg., plans 5 story, brick and steel addition, plain foundation. $150,000. C. J. Ellis, mgr. Engineer and architect not selected.

Wis., Milwaukee—Apartment—O. Brachman, 425 East Water St., having plans prepared by M. Tullgren & Sons, archts., 425 East Water St., 6 story, 50 x 92 ft., brick and concrete, plain foundation, Hathaway St. $160,000.

Wis., Milwaukee—Hotel—A. L. Richards, 90 Mason St., plans 11 and 2 story and basement, each 100 x 100 ft., L shaped, brick and concrete, plain foundations, 2nd St. $400,000. Architect not selected.

Minn., Duluth—City Hall—F. S. Snively, mayor, takes bids about April 30, 4 story and basement, 126 x 200 ft., rein.-con., granite faced, 1st St. and 4th Ave. $800,000. German & Jenssen, Exchange Bldg., archts. and engrs. Noted Jan. 25.

Ia., Boone—School—Voted $225,000 bonds for school. Noted March 1.

Ia., Des Moines—Schools—Voted $2,630,000 bonds for new schools and addition to old ones. G. L. Garton, 629 3rd St., secy. Bd. Educ. Noted Jan. 25.

Ia., Le Mars—High School—Voted $150,000 bonds for high school addition. R. J. Koehler, secy. School Bd. Noted March 1.

Ia., Sioux City—Schools—Voted $850,000 bonds for schools. Architect not selected. Noted Feb. 1.

Minn., Minneapolis—Office—H. C. Vogel, Millers and Traders Bank Bldg., having plans prepared by Croft & Boerner, archts., 1006 Marquette Ave., remodeling Iron Exchange Bldg., and constructing 2 additions, one 4 story, 75 x 127 ft. above present structure, other 12 story and basement, 80 x 150 ft., rein.-con., brick and tile, 4th Ave. S. and 4th St. $600,000.

Minn., St. Paul—Hospital—St. Lukes Hospital, Smith and Sherman Aves., having plans prepared by L. Bassindale, archt., 321 Capitol Bank Bldg., 4 story and basement, 40 x 100 ft., rein.-con., brick, tile and stone addition, Smith and Sherman Sts. $150,000. A. Cathcart, 402 Merchants Natl. Bank Bldg., pres.

Kan., Emporia—High School—Election April 3, to vote on $400,000 bonds. A. Woods, secy. Bd. Educ.

Kan., Lawrence—Club—B. P. O. E. having preliminary plans prepared by R. E. Scamell, archt., 614 New England Bldg., Topeka, 3 story and basement, 100 x 117 ft., brick, rein.-con. and steel. $150,000.

Neb., Falls City—Courthouse—Richardson Co. soon takes bids 2 story and basement, 66 x 100 ft., rein.-con., brick, steel and terra cotta. $200,000. W. F. Gernandt, 701 Omaha Bank Bldg., Omaha, archt. Noted Jan. 11.

Neb., Omaha—Bank—Federal Reserve Bank, c/o A. Byrne, dir., having plans prepared by Graham, Anderson, Probst & White, archts., 80 East Jackson Blvd., Chicago, 4 story, 48 x 130 ft., probably stone faced, 17th and Dodge Sts. $700,000.

Neb., Wymore—School—Election soon to vote on $190,000 bonds for school. Engineer and architect not selected.

N. D., Fargo—Store—Herbst Dept. Store, 16 Bway., having plans prepared by Keith & Kurke, archts., Equity Bldg., remodeling present building and 4 story and basement, 36 x 100 ft. rein.-con., brick and tile addition. $250,000.

Mo., Boonville—Armory—Kemper Military School having plans prepared by L. Abt, archt., Moberly, 1 story and basement, 102 x 288 ft., rein.-con., brick, steel and stone. $150,000.

Mo., Kansas City—Lodge—Greenbaum, Hardy & Schumacher, archts., 216 Scarritt Bldg., takes bids about April 15, 3 story and basement, 105 x 145 ft., rein.-con., brick and terra cotta, Linwood Ave. and Wynne St., for Y.M.H.A., 3117 Troost Ave. $250,000. Noted Feb. 1.

Mo., St. Louis—Hotel—J. Feldman, 116 North 8th St., plans 16 story, 60 x 130 ft., rein.-con., brick and steel, concrete pile foundation, Pine St. $1,000,000. Engineer and architect not announced.

Mo., St. Louis—Morgue—City had plans prepared by L. E. Bowen, archt., 301 City Hall, and soon takes bids 2 story, 90 x 130 ft., rein.-con. and brick, plain foundation, Clark Ave. $200,000.

Mo., Trenton—High School—April 3, to vote on $200,000 bonds for high school.

Mo., Wellston (St. Louis P. O.)—High School—Wellston School Bd. had plans prepared by E. J. Gieseler, archt., 4396 Gibson Ave., St. Louis, 2 story and basement, 75 x 135 ft., rein.-con. and brick, plain foundation, Ella Ave. $150,000 bonds voted.

Tex., Corpus Christi—Hospital—J. T. Renfro, conducting campaign to raise funds for Fred Roberts Memorial Hospital. $250,000. Engineer and architect not selected.

Tex., Dallas—Office—C. S. Mitchell, c/o City National Bank, having plans prepared 8 story and basement, 75 x 98 ft. Live Oak and Olive Sts. $150,000-$200,000. Engineer and architect not announced.

Tex., Dallas—Office—Chain Stores Co., 386 Bway., New York City, plans 12 story and basement, 108 x 200 ft., Elm and St. Paul Sts., here. $1,000,000. McNeny & McNeny, Praetorian Bldg., local agents. Engineer and architect not announced.

Tex., Denton—Administration—State appropriated $300,000 for administration building at North Texas Normal College, here.

Tex., Ft. Worth—Hotel—J. H. Johnson and associates, 1215 Penn Ave., plan 10 story, 100 x 264 ft. $700,000. Engineer and architect not announced.

Okla., Guthrie — High School — Election this spring to vote on $300,000 bonds for 3 story and basement, rein.-con., brick and stone.

Okla., Paul Valley—Hotel—W. Littington Hotel, c/o J. C. Moody, Ardmore, plans 5 story and basement, 75 rooms, rein.-con., brick and stone. $125,000-$150,000. Engineer and architect not selected.

Okla., Tulsa—Medical Art—C. W. Day, Temple Apartments, having plans prepared by Rush, Endacott & Rush, archts., 101 Lorton Bldg., and takes bids about April 1, 8 story and basement, 50 x 140 ft., rein.-con., brick, stone and terra cotta, 6th and Boulder Sts. $400,000.

Idaho — Hospital — State Legislature, Boise, appropriated $160,000 for tuberculosis hospital, and appointed commission to take charge. Secretary of State heads commission.

Ore., Portland—High School—School Bd. Dist. 1, Administration Bldg., takes bids about April 23, Gregory Heights School, 2 story, 65 x 264 ft., rein.-con., Siskiyou St., 73rd to 74th Sts. $200,000. R. Martin, Jr., Railway Exch. Bldg., archt.

Calif., Berkeley—College—W. R. Hearst, Hearst Bldg., San Francisco, having preliminary plans prepared by B. Maybeck, archt., Lick Bldg., San Francisco, rein.-con. building, to be known as Hearst Hall, on campus of University of California. $350,000.

Calif., Huntington Park—Lodge, Store and Office—Masonic Temple Assn., c/o J. C. Barr, archt., 120 North Pacific Blvd., had plans prepared 3 story, brick, $175,000.

Calif., Long Beach—Office—See "Industrial Works."

Calif., Los Angeles—Convent—Home of Good Shepherd, having plans prepared by A. C. Martin, archt., Higgins Bldg., group of convent buildings, rein.-con. and brick, Pico St. To exceed $150,000.

Calif., Los Angeles—Fire Station—City having plans prepared by R. Meier, archt., San Fernando Bldg., 4 story, rein.-con., 2nd and Hill Sts. $175,000.

Calif., Pasadena — School — City soon takes bids Washington School, brick. To exceed $150,000. Allison & Allison, Hibernia Bldg., Los Angeles, archts.

Calif., San Diego—Hospital—J. J. Cantwell, Roman Catholic Archbishop, Higgins Bldg., Los Angeles, having plans prepared

Buildings (Continued)

fireproof hospital, probably rein.-con. To exceed $250,000. Engineer and architect not available.

Calif., San Francisco—Office—Medico-Dental Bldg. Corp., c/o G. W. Kelham, archt., Sharon Bldg., having plans prepared 12 or 15 story, fireproof, Mason and Post Sts. $1,250,000. Noted Dec. 21.

Calif., San Francisco—Store—Radkin & Kamp, Fresno, having plans prepared by R. F. Felchlin Co., archts., Bank of Italy Bldg., Fresno, 5 or 6 story and basement, 150 x 165 ft., fireproorf, Tulare and J Sts. To exceed $150,000.

Que., Montreal—Apartment—P. DuTremblay, Drummond Apts., had plans prepared and takes bids about April 15, 10 story, 250 x 375 ft. rein.-con., Drummond St. $5,000,000.

Que., Montreal—Store, etc.—H. Morgan & Co., Phillips Sq., plan 9 story, 168 x 285 ft. rear addition, St. Catherine St., $1,500,000, also 75 x 160 ft. power house, Aylmer and Mayor Sts., $200,000. both rein.-con. Barrett & Blackard, Canada Cement Bldg., archts.

BIDS DESIRED

Mass., Springfield—High School—April 10, by Com. on City Property, 2 story, 90 x 100 ft., brick addition, Elliot St. $750,000. E. C. and G. C. Gardner, 33 Lyman St., archts. Noted Dec. 7.

Mass., Springfield—School—April 2, by Com. on City Property, 2 story, 65 x 150 ft. brick and limestone, plain foundation, Indian Orchard Dist. $200,000. M. W. Maloney, 145 Chestnut St., archt.

R. I., Providence — Orphanage — W. R. Walker & Son, archts., 49 Weybossett St., taking bids and open same about April 2, 3 story, brick and concrete, plain foundation, Summitt St., for Jewish Orphanage, W. S. Lederer, chn. $150,000. Noted Feb. 23.

Conn., Hartford—School—March 30, by H. N. Tuttle, Chn., 134 Edgewood St., Northwest School Dist., 2 story and basement, rein.-con. and brick, Holcomb St., $150,000. W. D. Johnson Co., 174 Bond St., archt. Noted Feb. 8.

N. Y., New York—Apartment—H. J. Senkel, c/o C. Kreymborg, archt. and engr., 2534 Marion Ave., 5 story, 80 x 125 ft., brick, steel and stone, plain foundation, Davidson Ave. $150,000. Work will be done by separate contracts under supervision of architect.

N. Y., Palmyra—School—April 4, by Bd. Educ. at office of G. S. Tinklepaugh, Griffith Bldg., new school. $250,000. Tooker & Marsh, 101 Park Ave., New York, archts. Noted March 15.

Pa., Beallsville—Clubhouse—March 24, by W. L. Stoddart, archt. and engr., 9 East 40th St., New York City, 2 story, brick, steel and stone, plain foundation, here, for Nemacolin County Club. $150,000.

Pa., Beaverdale—Lodge—March 29, by Building Com. Loyal Order Moose 365, Miners Hall, 2 story and basement, 80 x 100 ft. brick, tile and steel, Main St. $150,000. H. Wacker, Jr., Johnstown, archt. and engr.

Pa., Merion — Art Museum — P. Cret, archt., Otis Bldg., Phila., taking bids 1 and 2 story, 50 x 156 ft., 48 x 68 ft., 21 x 24 ft. and 52 x 92 ft. rein.-con., brick and steel, plain foundation, for A. Barnes, Merion. $1,000,000. Noted Jan. 18.

Pa., Phila.—Apartment—A. S. Shaffer, 4029 Walnut St., taking bids 3 story, 80 x 90 ft. brick and steel, plain foundation, 4029-31 Walnut St. $200,000. Private plans.

Pa., Phila.—Loft—March 27, by C. Wunder, archt., 1425 Locust St., 5 story and basement, 101 x 127 ft., rein.-con. and brick, plain foundation, 5th and Upland Sts., for W. E. Headley, c/o architect. $250,000.

Pa., Phila.—Store and Office—E. Schoppee, archt., 315 South 15th St., taking bids 3 story, 120 x 123 ft. brick and steel, plain foundation, Orthodox St. and Frankford Ave., for W. Thompson, c/o architect. $150,000.

Tenn., Memphis—Administration—April 2, by H. C. Hibbs, archt., 4th and 1st National Bank Bldg., Nashville, 2 story, concrete and brick, stone foundation, for Southwestern Presbyterian University, here. $250,000.

O., Cleveland—Apartment—H. B. Shifren, 2229 East 78th St., taking bids 4 story and basement, 138 x 212 ft., brick and steel, Overlook Rd. near Mayfield Rd. $200,000. Braverman & Havermaet, Ulmer Bldg., archts.

O., Cleveland—Apartments—J. Winer and M. Rapport, 11522 Temblett Ave., taking bids four 2 story and basement, 33 x 102 ft. and 33 x 122 ft., brick and timber, 13505 Woodworth Rd. $200,000. M. Altschuld, 5116 Woodland Ave., archt.

O., Cleveland—Store—Osborn Eng. Co., archts. and engrs., 2848 Prospect Ave., taking bids and opens same about March 30, altering 6 story, brick and steel, 620 Euclid Ave., for W. Taylor Sons & Co., 630 Euclid Ave. $200,000.

O., Cleveland — School and Chapel — March 27, by W. C. Jansen, archt., 402 Electric Bldg., 2 story and basement, 103 x 150 ft., brick, steel and concrete, Libby Rd., for St. Wenceslaus Roman Catholic Church, 2666 East 35th Pl. $150,000. J. Koudelka, pastor.

O., Lakewood (Cleveland P. O.)—School—March 31, by Bd. Educ., Warren Rd., 2 story and basement, brick, steel and concrete additions to Roosevelt and Harrison Schools. $150,000. C. W. Hopkinson, Rose Bldg., Cleveland, archt.

O., Oxford—Dormitory—April 5, by Bd. Trustees Miami University, 3 story and basement, brick and concrete, on campus. $165,000. L. G. Dittoe, Edwards Bldg., Cincinnati, archt.

O., Toledo—Bank and Office—March 26, by Home Savings Bank Co., 9 story and basement, 59 x 119 ft., brick, steel and concrete, Madison and Huron Sts., $1,000,000. M. Miller, Pres., Walker & Weeks, 1900 Euclid Ave., Cleveland, archts. Noted Dec. 7.

Mich., Kalamazoo—Library—April 7, by H. H. Turner, archt., 923 Michigan Trust Bldg., Grand Rapids, 3 story and basement, 93 x 153 ft. rein.-con., and steel, plain foundation, for Western State Normal School, here. $250,000. Noted March 15.

Ill., Chicago — Apartment-Hotel — H. F. Bloomfield, 118 North La Salle St., receiving bids 7 story and basement, 125 x 360 ft., rein.-con., brick and steel, 1225-45 Albion Ave. $1,250,000. A. Anis, 127 North Dearborn St., archt.

Ill., Chicago—Apartment—C. W. Westerlind, archt., 179 West Washington St., receiving bids 3 story and basement, 100 x 105 ft., rein.-con., brick and steel, Leland St. and North Central Park, for A. Melnick, 4720 Virginia Ave. $150,000.

Ill., Evanston—Apartment—A. H. Quitsow, archt., 11 South La Salle St., Chicago, receiving bids 3 story, rein.-con., brick and steel, Sheridan and Kinney Sts., here, for S. Johnson, c/o architect $200,000.

Ill., Evanston—Apartment—H. A. Mulder, archt., 140 South Dearborn St., Chicago, receiving bids 3 story and basement, 128 x 175 ft., rein.-con., brick and steel, 526 Ridge Ave., here. $200,000. Owner's name withheld.

Ill., Oak Park — Apartment — C. W. Lampe, archt., 155 North Clark St., Chicago, receiving bids 3 story and basement, 100 x 174 ft., rein.-con., brick and steel, Randolph and Maple Sts., here. $150,000. Owner's name withheld.

Ill., Savanna—School—April 12 by W. F. Van Der Meer, archt., 215 Mead Bldg., Rockford, 3 story and basement, 46 x 85 ft., rein.-con., brick and steel, here, for St. Johns Congregation. $150,000.

Wis., Sheboygan—Hospital—Foeller & Schober, archts., Nicolet Bldg., Green Bay, taking bids 2 story and basement, brick, rein.-con. and steel addition, plain foundation, 9th St. here, for Sisters of St. Francis, c/o J. C. Straub, dir., Springfield, Ill. $150,000.

Wis., Sheboygan—Office—W. C. Weeks, archt., 720 Ontario Ave., taking bids 3 story, 150 x 150 ft., brick, rein.-con. and steel addition, plain foundation, 8th St., for J. and W. Jung Co., 721 North 8th St. $200,000.

Ia., Cedar Falls—Dormitory—April 10, by Proudfoot, Bird & Rawson, archts., 810 Hubbell Bldg., Des Moines, 4 story and basement, 40 x 240 ft., rein.-con., brick and stone, for State Teachers College c/o W. H. Gemmell, secy. State Bd. Educ., Des Moines. $175,000.

Ia., Ida Grove—School—April 6 by Bd. Educ., 2 story and basement, rein.-con., brick, tile and stone, $150,000. J. T. Peterson, clk. Keffer & Jones, 204 Masonic Temple, Des Moines, archts. Noted Jan. 11.

Ia., Mason City—Hospital—May 1 by E. O. Broaten, archt., 604 B.M.A. Bldg., 3 story and basement, 40 x 206 ft. with 40 x 120 ft. wing, rein.-con., brick, stone and terra cotta, for St. Lukes Lutheran Hospital. $250,000. Noted Feb. 22.

Ia., West Union—Court House—March 28 (change of date), by Fayette Co., 3 story and basement, 90 x 116 ft., rein.-con., brick, tile and stone. $250,000. J. G. Ralston, L and J Bldg., Waterloo, archt. Noted March 15.

S. D., Kimball—School—March 28, by Bd. Educ., 2 story and basement, 132 x 134 ft. rein.-con., brick, stone and tile, $150,000. King & Dixon, Mitchell, archts. Noted Jan. 18.

Mo., Kansas City—Memorial—March 29, by Liberty Memorial Assn., R. A. Long Bldg., rein.-con., brick and steel, Station Rd. $2,000,000. H. Van Buren Magonigle, 101 Park Ave., New York City, archt. and engr. Noted Jan. 4.

Okla., Tulsa—Church—March 26, by G. Winkler, archt., 414 Palace Bldg., 2 story and basement, rein.-con., brick and stone, 504 Cincinnati St., for Trinity Episcopal Church, c/o R. P. Crum, pastor. $300,000.

Wash., Vancouver—Home—April 7, by Knighton & Howell, archts., U. S. National Bank Bldg., Portland, Ore., 3 story and basement, rein.-con., plain foundation, City Limits and Pacific Highway, for Knights of Pythias. $150,000. Noted Nov. 16.

Calif., Los Angeles—School—March 28, by Bd. Educ., auditorium, shop building and addition to present school, brick and concrete, Torrence School site. To exceed $150,000. Farrell & Miller, Western Mutual Bldg., archts.

Ont., Cayuga—Court House and Gaol—March 30, by R. S. Colter, Cayuga, additions to new court house and gaol. F. Barber and Associates Ltd., 45 Jarvis St., Toronto, and Union Bank Bldg., Dunnville, engrs. Noted Jan. 4.

Ont., Kingston—Library—March 29, by W. E. McNeill, registrar, Queens University, new library. Shephard & Calvin, 36 Toronto St., Toronto, archts. Noted March 15.

Ont., Pembroke—School—March 31, by W. C. Keighley, archt., Grand Trunk Ry. Offices, 2 story and basement, 8 room, concrete, brick and steel, for Bd. Educ. $150,000. Noted Feb. 8.

BIDS RECEIVED

N. Y., Buffalo—High School—Bd. Educ., 1401 Telephone Bldg., March 14, for Lewis J. Bennett High School, 2885 Main St., general contract, from C. H. Everett, 295 Auburn Ave., $1,406,000; plumbing, from Batt Co., 955 Michigan Ave., $79,995; heating and ventilating, from Power Efficiency Corp., White Bldg., $197,785; electrical work, from Sanborn Electric Co., 309 North Illinois St., Indianapolis, Ind., $48,960. Noted Feb. 22.

Pa., Pottstown—High School—School Bd. c/o C. H. Kem, high school, Penn and Chestnut Sts., from W. L. Hampton, Pottstown, $250,622; C. W. Slayer, Harrisburg, (street address not available), $282,997.

D. C., Wash.—School—Dist. Comrs., 509 Dist. Bldg., addition to Garrison School, 12th and R Sts., N. W., from G. E. Wyne, Home Life Bldg., $142,600; H. B. Davis, 1311 G St., N. W., $171,947; King Lumber Co., Charlottesville, Va., $175,000.

Wis., Lancaster—High School—School Bd., March 14, 2 story and basement, 100 x 200 ft., brick, tile and concrete, plain foundation, from Schafer & Olson, 222 Bay St., Chippewa Falls, $193,000; Hoeppner-Bartlett Co., 414 Grand Ave., Eau Claire, $198,860; Grahn & Bathurst, 638 Plum Bldg., Minneapolis, Minn., $205,000. Noted March 1.

Ariz., Tucson—High School—Bd. Educ., 2 story, rein.-con. and steel, rein.-con. foundation, from E. C. English, Citizens National Bank Bldg., Los Angeles, Calif., $630,000; W. L. Tophoy, Tucson, $642,850; Windsor & Lund, Denver, Colo. (street address not available), $668,000. Noted Feb. 22.

Calif., Crockett — School — Carquinez Grammar School Dist., 2 story, brick and concrete, structure complete from K. Koller, Crockett, $245,398; excavation, concrete work and carpentry from Trobock & Cress, 180 Jessie St., San Francisco, $99,700, K. Koller, Crockett, $115,842; F. W. Maurice, 1362 East 25th St., Oakland, $117,670; brick, hollow tile and terra cotta, from Hock & Hoffmeyer, 180 Jessie St., San Francisco, $22,475, J. Walker, c/o Builders Exch., Richmond, $24,553, White & Gloor, 180 Jessie St., San Francisco, $24,800. Noted March 1.

CONTRACTS AWARDED

Mass., Andover — Recitation — Phillips Andover Academy, 2 story and basement, 38 x 210 ft., brick, steel, stone and granite, plain foundation, Campus, to E. W. Pitman Co., Bay State Bldg., Lawrence. Archts. est. $200,000.

Mass., Cambridge — Band and Office—Cambridge Savings Bank, Dunster St., 5 story, 66 x 85 ft., brick, stone and steel, plain foundation, Dunster St., to W. A. Wentworth Co., 107 Pacific St. Archts. est. $200,000. Noted Sept. 7.

Mass., Malden—Apartment—E. L. Snider, 18 Fremont St., Boston, will build 5 story,

Buildings (Continued)

90 x 200 ft., rein.-con. and brick, Washington St., here, by day labor. $400,000-$500,000. F. A. Norcross, 46 Cornhill, Boston, archt.

N. Y., Albany — Bank — City Savings Bank, 100 State St., 10 story and court, 24 x 175 ft., with 200 ft. steel tower in center, brick, steel and terra cotta, 102 State St., to Feeney & Sheehan Building Co., 164 Montgomery St., $899,979. Noted March 15.

N. Y., Brooklyn — Apartment — Neilk Constr. Co., Inc., c/o Shampan & Shampan, archts. and engrs., 188 Montague St., brick, steel and stone, plain foundation, Crown St., by day labor. $200,000.

N. Y., New York—Apartment—J. Amron, c/o G. F. Pelham, archt. and engr., 200 West 72nd St., 9 story, 50 x 100 ft., brick, steel and stone, plain foundation, West 64th St., by day labor. $300,000.

N. Y., New York—Apartment—Banner & Mitler, c/o C. Kreymborg, archt. and engr., 2534 Marion Ave., will build 5 story, 100 x 100 ft., brick, steel and stone, plain foundation, Audubon Ave. near 192nd St., by day labor. $165,000.

N. Y., New York—Apartment—B. L. W. Constr. Co., c/o Gronenberg & Leuchtag, archts. and engrs., 450 4th Ave., 6 story, 110 x 130 ft., brick, steel and stone, plain foundation, 655 West 174th St., by day labor.

N. Y., New York—Apartment—Elmwood Building Corp., c/o Goldner & Goldner, archts. and engrs., 47 West 42nd St., 6 story, 100 x 135 ft., brick, steel and stone, Ryer Ave. and 178th St., by day labor. $300,000.

N. Y., New York—Apartment—S. Gettenberg, c/o C. Kreymborg, archt. and engr., 2534 Marion Ave., will build 5 story, 100 x 115 ft., brick, steel and stone, plain foundation, Valentine Ave., by day labor. $150,000.

N. Y., New York—Apartment—Hepburn Realty Co., c/o Springsteen & Goldhammer, archts. and engrs., 32 Union Sq., 5 100 x 115 ft., brick, steel and stone, plain plain foundation, Seaman Ave., by day labor. $175,000.

N. Y., New York — Apartment — Jona Realty Co., c/o Goldner & Goldner, archts. and engrs., 47 West 42nd St., 5 story, brick, steel and stone, plain foundation, West 148th St., by day labor. $275,000.

N. Y., New York—Apartment—B. Klosk, Inc., c/o Springsteen & Goldhammer, archts. and engrs., 31 Union Sq., 5 story, brick, steel and stone, plain foundation, Grand Ave., by day labor. $200,000.

N. Y., New York—Apartment—One Hundred Eightieth St. and Audubon Ave. Corp., c/o C. Kreymborg, archt. and engr., 2534 Marion Ave., 6 story, brick, steel and stone, plain foundation, St. Nicholas Ave. and 162nd St., by day labor. $175,000.

N. Y., New York—Apartment—Pearlbro Building Corp., c/o M. W. Del Gaudio, archt. and engr., 160 West 45th St., 6 story, brick, steel and stone, plain foundation, West 175th St., by day labor. $220,000.

N. Y., New York—Apartment—Phelan-Billingsley Corp., c/o Moore & Landseidel, archts. and engrs., 148th St. and 3rd Ave., 5 story, 70 x 200 ft., brick, steel and stone, plain foundation, Burnside Ave. and Osborn Pl., by day labor. $175,000.

N. Y., New York — Apartment — Seeby Realty Co., c/o C. Kreymborg, archt. and engr., 2534 Marion Ave., will build 5 story, 100 x 100 ft., brick, steel and stone, plain foundation, Grant Ave., by day labor.

N. J., Camden—Lockey & Hettle, archts., 5 Hudson St., 4 story and basement, 69 x 103 ft., Bway. and Stevens St., to J. M. Yardley, 1716 Sansom St., Phila., for Y. W. C. A. Archts. est. $350,000. Noted Jan. 25.

N. J., Ocean City—High School—Bd. Educ., 3 story and basement, 191 x 194 ft., to J. S. Rodgers & Co., Drexel Bldg., Phila., $500,000.

Pa., Phila.—Schools—Bd. Educ., 3 story and basement, 148 x 171 ft. rein.-con., brick and steel, 54th and Berks Sts., and 3 story and basement, 148 x 171 ft., brick and steel, 17th St. and Lindley Ave., to Sinclair & Greigs, Medical Arts Bldg., $445,800 and $478,800, respectively.

Pa., Phila.—Theatre—Shubert Theatre Co., 225 West 45th St., New York City, 1 story and basement, 108 x 114 ft., stone, caisson foundation, Juniper and Cherry Sts., here, to H. J. Knopp, 116 East 16th St., New York City, $230,000.

Pa., Reading — Hotel — Berkshire Hotel Co., 8 story, 65 x 91 ft. brick and steel annex, to H. L. Stevens Constr. Co., 30 North Michigan Ave., Chicago. Archts. est. $250,000.

Pa., Troy—School—Bd. Educ., general contract 2 story and basement, 110 x 140 ft. brick and steel, to L. F. Swinter, Ebensburg, $125,314. Noted Feb. 8.

Pa., Williamsport—Church—First Evangelical Church, Bennett and Packer Sts., 2 story and basement, 90 x 110 ft. brick, steel and stone, Bennett and Packer Sts., to Vallamont Building & Planing Mill Co., 1009 Market St. Archts. est. $150,000.

Va., Lexington—Barracks—Virginia Military Institute, Richmond, 4 story, stucco and brick, here, to J. L. Krouse, Greensboro, N. C. Archts. est. $150,000.

Va., Richmond—Office—Imperial Tobacco Co., Ltd., 106 South 6th St., 3 story rein-con. and brick, 5th and Franklin Sts., to J. T. Wilson Co., Inc., Mutual Bldg., $300,000.

O., Cleveland—Apartments—A. and S. Realty Constr. Co., 342 Society for Savings Bldg., two 3 story and basement, 86 x 96 ft., brick and timber, 2639 Euclid Blvd., to M. Gold, 9106 Parkgate Ave. Archts. est. $150,000. Noted Jan. 25.

O., Elyria—High School—Bd. Educ., general contract 2 story and basement, 100 x 100 ft., brick, steel and concrete addition to Washington Junior High School, to J. Kaiser & Bros., Elyria (street address not available), $140,000. Noted Nov. 30.

O., Massillon—High School—Bd. Educ. constructing Longfellow School, 2 story and basement, brick, steel and concrete, to N. Miller, 1918 Remont St., $172,577. Noted March 8.

O., Rocky River—Apartment—Riverview Impvt. Co., National City Bldg., Cleveland, 6 story, brick, steel and concrete, Detroit and Blount Rds., here, to Fleischer Constr. Co., Builders Exch., Minneapolis, Minn. Archts. est. $1,000,000.

Mich., Detroit—School—Bd. Educ., 1354 Bway. Ave., 2 story and basement, 94 x 179 ft. rein.-con., brick, steel and stone, plain foundation, Kercheval Ave., to Brayton Eng. Co., 907 Kresge Bldg. $150,000.

Ill., Chicago—Apartment—O. E. Gallup, c/o McNally & Quinn, archts., 10 South La Salle St., 4 story, 173 x 180 ft., rein.-con., brick and steel, 1347 Estes Ave., to Thogersen & Erickson, 4804 North Kedzie Ave. Archts. est. $800,000. Noted Feb. 22.

Ill., Chicago—Apartment—J. Swanson, 2030 Greenleaf Ave., will build 3 story and basement, 100 x 170 ft., rein.-con., brick and steel, 1654-56 Farwell Ave., by day labor. $200,000. P. F. Olsen, 720 Cass St., archt.

Ill., Chicago—Apartment—W. Wightman, 6202 Talman Ave., 3 story, 106 x 118 ft., rein.-con., brick and steel, Peoria and 70th St., to V. Schaflein, 6204 Aberdeen St. Archts. est. $150,000.

Ill., Chicago—Office—Lumber Exchange Building Co., 11 South La Salle St., 5 story, rein.-con., brick and steel addition, to Dahl-Stedman, 11 South La Salle St. Archts. est. $800,000.

Wis., Milwaukee—Church—Salem Evangelical Assn., 405 6th Ave., 1 and 2 story, 64 x 100 ft., brick and tile, plain foundation, Mitchell St. and 25th Ave., to Bennett Constr. Co., 808 South Pierce St., Archts. est. $150,000. Noted Jan. 4.

Ia., Burlington — Stone — Chittenden & Eastman Co., 123 South 3rd St., general contract 6 story and basement, rein.-con., brick and tile, to W. M. Allen & Sons Co., 929 Jefferson Bldg., Peoria, Ill., $106,000. Noted Feb. 22.

Ia., Davenport — Business — Democrat Publishing Co., 216 Main St., general contract 2 story, 48 x 150 ft., rein.-con., brick, steel, granite and stone, to J. S. Soller & Sons, Masonic Temple Bldg. Archts. es $150,000.

Kan., Wichita—Jail—Sedgwick Co., 3 story and basement, 45 x 121 ft., brick and steel, plain foundation, general contract to Siedhoff Constr. Co., Broadview Hotel, $77,370; steel, to Pauly Jail Bldg. Co., 2215 De Kalb Ave., St. Louis, Mo., $93,723. Noted Feb. 15.

Mo., St. Joseph—Hospital—W. Boschen, archt., Tootle Lacey Bldg., general contract 4 story, concrete, brick and steel, for Methodist Hospital Assn., to Lehr Constr. Co., 17th St. and Frederick Ave., $257,000; heating and power to Turner & Cook Plumbing & Heating Co., 702 Edmond St., $112,000; electric wiring to Amer. Electric Co., 214 South 8th St., $25,000. Noted Jan. 25.

Mo., Kansas City—Store—Rothschilds & Sons Clothing Co., 11th and Main Sts., general contract 4 story and basement, 40 x 124 ft., rein.-con., brick and steel, 1104-6 Main St., to Swanson Constr. Co., Shubert Bldg., $150,000.

Mo., Warrensburg—College—State Bd. Educ., Jefferson City, Central State Teachers College, 3 story and basement, 75 x 118 ft., rein.-con. and stone, here, to E. Marxer & Co., 514 3rd St., Des Moines, Ia., $150,000.

Tex., Houston—Club, etc.—Gray Lodge 329 A. F. & A. M., 4 story and basement, steel, brick and tile, plain foundation, Clay St., to T. Tellepsen, Prince Theatre Bldg., $250,000.

Tex., San Antonio—Schools—For 1 story junior high school, cafeteria partly overhead, San Pedro St., also 1 story, 80 x 120 ft. high school, cafeteria partly overhead, Josephine St., both brick and rein.-con., to J. De Puy, 616 Bedell Bldg., $156,498 and $155,373 respectively. Noted March 1.

Okla., Oklahoma City—Club—Elks Club, 16½ West Main St., 5 story, 140 x 140 ft., brick, 3rd and Harvey Sts. to C. M. Dunning Constr. Co., 420½ North Hudson St., $350,000. Noted Dec. 14.

Colo., Boulder — High School — School Dist. general contract junior high school, to A. Danielson & Son, 314 McMann Bldg., Denver, $151,000. Archt. est. $200,000.

Ariz., Phoenix—Office—G. and A. Luhrs, Commercial Hotel, 10 story, rein.-con., plain foundation, Jefferson St. and South Central Ave., to J. Garfield, Tucson. Noted Jan. 18.

Ore., Portland—School—Bd. Educ., general contract Holladay School, 2 story, 128 x 360 ft., rein.-con. and brick, concrete foundation, East 7th, 9th, Wasco and Halsey Sts., to H. J. Stettgren, Worcester Bldg., $147,140. Noted Jan. 25.

Calif., Chico—Bank and Office—First Natl.-Bank, 4 story, rein.-con., 3rd and Main Sts., to Hannah Bros., 142 Sansome St., San Francisco, $156,000. Noted Mar. 15.

Calif., Long Beach—School—Long Beach School Dist., 3 story, brick, Pacific Ave., general contract to J. C. Bannister, 903 North Mariposa St., Los Angeles, $146,000. Noted March 15.

Calif., Los Angeles—Apartment—S. G. Kaufmann, 822 Wall St., 4 story and basement, brick, Orange St., to Williams & Neville, Marsh-Strong Bldg., $150,000.

Calif., Los Angeles—Schools—City, three 12 room schools, rein.-con., at Woodcrest, Brooklyn and Atwater School sites, general contract to H. H. Hinds, 251 South Hoover St., $188,500.

Calif., Pomona—Bank and Office—First Natl. Bank, 5 story, rein.-con. and brick, to J. McNeil Co., H. W. Hellman Bldg., Los Angeles, $195,000. Noted Feb. 8.

Calif., Sacramento—High School—City, eight 1 and 2 story, rein.-con. and terra cotta, general contract to Mathews Constr. Co., Forum Bldg., $370,000; plumbing and sewers, also heating and ventilating to Hateley & Hateley, Mitau Bldg., $32,598 and $56,518 respectively; electric work to Latourette-Fical Co., 907 Front St., $34,800; steel work to Palm Iron Wks., 1814 15th St., $53,640.

Calif., Santa Ana—Club—Y. M. C. A., 3 story and basement, brick and concrete, Sycamore St., to F. Hudson, Higgins Bldg., Los Angeles, $165,000. Noted Jan. 4.

Calif., Sawtelle — Home — Sawtelle Soldiers Home, 2 story, rein.-con., administration and hospital, to Los Angeles Building & Contg. Co., Marsh-Strong Bldg., Los Angeles, $190,544. Noted March 15.

Que., Montmagny—Church—Les Syndics de St. Thomas de Montmagny, will build 78 x 108 ft. granite stone, by day labor; plumbing and heating to Proulx & Mathurin, Montmagny; electrical work to The Electric Co. of Montmagny; stone to Naud & Darnwau, St. Mark.

Federal Government Work

PROPOSED WORK

N. Y., Dunkirk—Superstructure—U. S. Engineer plans stone superstructure on breakwater, here.

N. Y., New York—Dredging—U. S. Engineer, 616 Army Bldg., rejected bids opened March 2, dredging in Shrewsbury River, N. J. Noted Feb. 8.

Pa., Phila. — Underpinning Chimney — Spec. 4818—Bureau Yards & Docks, Navy Dept., Wash., D. C., plans underpinning power house chimney, here.

D. C., Wash.—Dredging—U. S. Engineer, 250 Old Land Office Bldg., plans dredging in Potomac River.

D. C., Wash.—Filtration Plant—U. S. Engineer, 250 Old Land Office Bldg., takes bids about July 1, filtration plant. Major Tyler, engr. in charge.

Federal Government Work (Continued)

Fla., Jacksonville—Barges—U. S. Engineer plans to purchase 3 steel barges for Dredge Mallery, Ohio River.

Ky., Louisville—Bear Trap Leaves—U. S. Engineer plans bear trap leaves for Dam 44, Ohio River.

Tex., Galveston—Dredging—U. S. Engineer plans dredging Houston Ship Channel at Vinces Bayou and Basin.

Tex., Galveston—Repairing Jetty—U. S. Engineer plans to repair building and extend jetty at Sabine.

H. T., Pearl Harbor—Dredging—Spec. 4798—Bureau Yards & Docks, Navy Dept., Wash., D. C., plans dredging, wharfs and piers at submarine base, here. Bids will be opened at local yard.

BIDS DESIRED

N. Y., Chelsea—Ice-Making and Refrigerating Plant—April 16, by Treas. Dept., Wash., D. C., ice-making and refrigerating plant at U. S. Veterans' Hospital, here. J. A. Wetmore, acting superv. archt.

N. Y., Plattsburg—Monument—April 18, at office U. S. Engineer, Army Bldg., 39 Whitehall St., New York, monument, here; adv. this issue.

Md., Annapolis—Mechanical Equipment—Spec. 4796—March 28, by Bureau Yards & Docks, Navy Dept., Wash., D. C., mechanical equipment for natatorium, here. Noted March 8.

Fla., Jacksonville — Dredging Pump — April 20, at office U. S. Engineer, dredging pump; adv. this issue.

Ill., Rock Island—Steel Hull—April 12, at office U. S. Engineer, Rock Island, steel hull; adv. this issue.

Ark., Hot Springs—Quarters—April 2, at office Constructing Quartermaster Army and Navy General Hospital, National Park, here, 1 double set officers' quarters.

California — Road — April 3 by C. H. Sweetser, dist. engr., U. S. Bureau Pub. Rds., Mills Bldg., San Francisco, grading approximately 12 mi. road Mineral Sect. Red Bluff-Susanville lateral in Lassen National Forest, 134,224 cu.yd. excav., etc.

Calif., Fremont—Weir—April 12, at office U. S. Engineer, 85 2nd St., San Francisco, concrete weir, 30,000 cu.yd. concrete, 47,000 tons riprap, 15,000 cu.yd. gravel and 260,000 cu.yd. excav., near here.

Calif., Mare Island—Reconstructing Dike—Spec. 4776—April 25, by Bureau Yards & Docks, Navy Dept., Wash., D. C., reconstructing dike 14, here. Noted Jan. 11.

BIDS RECEIVED

R. I., Providence—Dredging—U. S. Engineer, Providence, maintenance dredging in Connecticut River, 70,000 cu.yd. scow measurement, from Hartford & New York Transportation Co., New Haven, Conn. (street address not available) $0.195 per cu.yd.; J. S. Packard Dredging Co., 1004 Turk's Head Bldg., $0.295. Noted Feb. 15.

Va., Quantico—Hangars—Spec. 4693—Bureau Yards & Docks, Navy Dept., Wash., D. C., hangars at Marine Flying Field, here, (1) work complete, from D. Zone, 233 Bway., New York City, (1) $52,523 (185 days) (2) $58,998 (185 days) (3) $60,915 (185 days); Newport Contg. and Eng. Co., Law Bldg., Newport News, (1) $46,945 (2) $50,865 (3) $54,873; A. Stang, Real Estate Trust Bldg., Phila., Pa., (1) $53,550 (2) $57,850 (3) $59,400. Noted March 1.

Wash., Keyport—Extension—Spec. 4744—Bureau Yards & Docks, Navy Dept., Wash., D. C., extension to torpedo storehouse at Naval Torpedo Station, here, from C. F. Martens, 204 Seaboard Bldg., Seattle, $41,752, (119 days); W. T. Butler, 527 Central Bldg., Seattle $42,000 (120 days), Miller Bros., 221 Burwell Ave., Bremerton, $43,722 (120 days). Noted March 1.

Wash., Puget Sound—Cranes—Spec. 4755—Bureau Yards & Docks, Navy Dept., Wash., D. C., crane equipment for Ordnance Building 368 Extension, (1) work complete, from Westinghouse Electric & Mfg. Co., Hibbs Bldg., Wash., D. C., (1) $5,595 (2) $6,580; Chesapeake Iron Wks., Clear and Cloman Sts., Westport, Baltimore, Md., (1) $10,000 (150 days) (2) $14,250 (150 days); Kimball Bros. Co., 9th St. and 11th Ave., Council Bluffs, Ia., (1) $10,781 (100 days). Noted Feb. 22.

Calif., San Diego—Storehouse—Spec. 4770—Bureau Yards & Docks, Navy Dept., Wash., D. C., storehouse for paints and oils, at Naval Base, here, (1) work complete, from W. E. Keir Constr. Co., 813 1st Natl. Bank Bldg., (1) $25,860 (120 days) (2) $592 (3) $390; Gutlebeb & Bros., Hotel Clark, Los Angeles, (1) $24,000 (90 days) (2) $480 (3) $400; F. Doran, 345 Spreckles Bldg., (1) $28,000 (2) deduct $571 (3) deduct $390, telegraphic modifications (1) $29,000. Noted Feb. 22.

Cuba, Guantanamo — Distilling Apparatus, etc.—Spec. 4769—Bureau Yards & Docks, Navy Dept., Wash., D. C., distilling apparatus and heater at Naval Station, here (1) work complete, from Wheeler Condenser and Eng. Co., Woodbridge Rd. Carteret, N. J., (1) $25,262 (2) $1,275; Sugar Apparatus Mfg. Co., 1006 Land Title Bldg., Phila., Pa., (1) $37,320 alternate (1) $35,600 (2) $33,500; A. Pope, 4722 15th St., N.W., Wash., D. C., (1) $38,200. Noted March 8.

CONTRACTS AWARDED

Pa., Phila.—Barge—U. S. Engineer, 815 Witherspoon Bldg., one 87 ft. steel oil barge at Ft. Mifflin, to Noank Shipyard, Inc., Noank, Conn., $21,900. Noted March 1.

Miss., Gulfport—Refrigerating Equipment—Spec. 4780—Bureau Yards & Docks, Navy Dept., Wash., D. C., refrigerating and ice-making equipment at U. S. Veterans Hospital, here, to Clothel Refrigerating Co., 61 Bway., New York City, $19,480 (120 days). Noted March 1.

California—Roads—C. H. Sweetser, dist. engr., U. S. Bureau Pub. Rds., Dept. Agriculture, 881 Mills Bldg., San Francisco, 4.1 mi. road, Salmon River Project, Siskiyou Co., 103,581 cu.yd. excav., etc., to Warren Constr. Co., Bacon Bldg., Oakland, $89,659. Noted Feb. 1.

Calif., Mare Island—Extension to Shell House, etc.—Bureau Yards & Docks, Navy Dept., Wash., D. C., extension to shell house and magazine at Navy Yard, here, to J. Pringle, 212 Anita Rd., Burlingame, $99,750 (200 days). Noted March 15.

Calif., Mare Island—Riprapping—Spec. 4775—Bureau Yards & Docks, Navy Dept., Wash., D. C., furnishing and placing 55,000 tons hard stone riprap along longitudinal dike, here, to Healy-Tibbetts Constr. Co., 64 Pine St., San Francisco, $1.8375 (240 days). Noted March 15.

H. T., Pearl Harbor—Mains, etc.—Spec. 4792-B—Bureau Yards & Docks, Navy Dept., Wash., D. C., mains and accessories at Naval Station, here, to Hawaiian Dredging Co., 854 Kuhuhuana St., Honolulu, $139,661 (180 days).

H. T., Pearl Harbor—Piping Plant, etc.—Spec. 4792-A—Bureau Yards & Docks, Navy Dept., Wash., D. C., piping plant and equipment at Naval Station, here, to E. J. Lord, 309 McCandless Bldg., Honolulu, $28,584 (180 days).

Miscellaneous

PROPOSED WORK

Subway—Boston, Mass.—Boston Elevated Ry. Co., 108 Massachusetts Ave., having preliminary plans prepared continuing subway from Kenmore station, two branches, $3,000,000. Private plans.

Tract Development—Buffalo, N. Y.—G. B. Ricaby Co., 200 Pearl St., purchased 36 acres land at Delaware and Amhert Sts. and plans cement sidewalks, sewers, water mains, lighting system, 60-85 ft. streets, etc. To exceed $50,000. Engineer not announced.

Transmission Line—New York—St. Lawrence Transmission Co., Potsdam, plans extending 3 phase high tension system in towns of Fowler, Rossie and Macomb, $100,000.

Power Development—Watertown, N. Y.—City appointed W. H. Cushman, hydraulic engr., Northern New York Trust Co. Bldg., to prepare plans power development at Delano Falls. Noted March 1.

Stadium—Erie, Pa.—Bd. Educ., Chamber of Commerce, and Civic Organizations, having plans prepared for stadium in connection with Academy High School, 19,000 seating capacity. Osborn Eng. Co., 2848 Prospect Ave., S. E., Cleveland, O., engrs.

Elimination of Grade Crossings—Scranton, Pa.—Delaware & Hudson R.R. Co., State St., Albany, N. Y., having preliminary plans prepared for eliminating 16 grade crossings along main line through Scranton. Work includes elevation of tracks at all streets except one, J. MacMartin, ch. engr.

Road Oil—Beaver Dam, Wis.—Preparing specifications for 5 car loads of road oil for city streets. W. Gergen, clk.

Stadium—Madison, Wis.—University of Wisconsin plans rein.-con. and steel addition to athletic stadium at Randall Athletic Field. $50,000. M. E. McCaffery, secy.

Road Machinery—Minnesota—Following counties plans to purchase road machinery: Kittson Co., twenty 6 ft. blade graders, G. H. Nelson, Hallock, engr.; Nicollet Co., several graders, H. W. Daniels, St. Peter, engr.; Meeker Co., 1 power road maintainer, G. H. Martz, Litchfield, engr.; Benton Co., 1 elevating road grader, P. Zeeze, Foley, engr.; Carlton Co., one 10 ton tractor, N. C. Nickerson, Carlton, engr.; Swift Co., 1 caterpillar tractor, L. [illegible] Johnson, Benson, engr.

Swimming Pool—Newton, Kan.—Having plans prepared 100 x 150 ft., rein.-con. swimming pool, bath house, lockers, etc. Thomas & Fullerton, 323 Wheeler-Kelly Bldg., Wichita, archts.

Levees—Helena, Ark.—See "Excavation, Drainage, Irrigation."

Gas Mains, etc.—Corpus Christi, Tex.—See "Industrial Works."

Pipe Line—Electra, Tex.—See "Industrial Works."

Pumps—Clarksburg, Calif.—S. C. Davidson, engr., Box 925, Sacramento, soon takes bids 8 or 10 in. pumps and motors to be used in connection with small irrigation project of 1,250 acres, here, for C. C. Morse Seed Co., 729 Front St., San Francisco.

Rock Crushers, Equipment, etc.—Oakdale, Calif.—Atlas Rock Co. will purchase rock crushers and equipment for manufacture of cement pipe. $20,000. A. C. McMillan, pres.

Pedestrian Tunnel—Sacramento, Calif.—City had preliminary plans prepared 17o ft. pedestrian tunnel, at 12th St. subway, $27,500. A. Givan, city engr.

Steel—Sacramento, Calif.—See "Bridges."

Trailers — San Jose, Calif. — Supervs. Santa Clara Co. rejected bids opened March 5, furnishing one or more trailers. New bids. Noted March 15.

Tunnel — Santa Barbara, Calif. — See "Waterworks."

Conduits—Montreal, Que.—Electric Comn. plans conduits in Dist. 10, bounded by Craig, Bleury, St. Catherine and St. Lawrence Sts. $150,000. A. Lariviere, ch. engr.

BIDS DESIRED

Wharf—Norwalk, Conn.—April 2, by D. B. Eula, engr., Room 7, City Hall, concrete and creosoted lumber wharf, etc. J. H. McMahon, chn.; adv. this issue.

Bituminous Material—Albany, N. Y.—April 3, by F. S. Greene, comr. State Hy. Dept., furnishing and delivering bituminous material "A." W. A. Patton, secy.; adv. this issue.

Steel—Flushing, N. Y.—April 2, by Transit Comn., 49 Lafayette St., New York, furnishing and erecting structural steel for part of Rapid Transit R.R., Flushing Route. Former contract rescinded. Noted Dec. 28.

Aggregate, etc.—Long Island City, N. Y.—March 27, M. E. Connolly, pres. Queens Boro, Queens Subway Bldg., furnishing and delivering 22,500 cu.yd. mineral aggregate, 11,500 cu.yd. highway sand, 1,000 cu.yd. sand grit, 55,000 gal. road oil for cold application, 150,000 gal. road oil for hot application, 100,000 gal. bituminous macadam binder, 40,000 wood paving blocks, 50,000 asphalt paving blocks, 900 tons asphaltic cement, 25,000 gal. fuel oil, 25,000 gal. asphalt cold patch.

Foundations—New York, N. Y.—March 30, by E. S. O'Malley, comr. Pub. Markets, Municipal Bldg., foundations for Bronx Terminal market.

Ties and Timber—New York, N. Y.—March 30, by Transit Comn., 49 Lafayette St., supply of ties and timber for use in construction of Rapid Transit R.R. G. McAneny, chn.

Steam Roller—West New Brighton, N. Y.—March 29, by J. A. Lynch, pres. Richmond Boro, Boro Hall, Staten Island, one 8 ton steam roller, tandem type, at storeyard of Bureau of highways, Dubois Ave., here.

Road Material—Newton, N. J.—April 5, by Sussex Co. furnishing road material. H. Snook, co. engr.; adv. this issue.

Grain Elevator—Baltimore, Md.—April 3, by Baltimore & Ohio R.R., Baltimore and Charles Sts., grain loading pier, merchandise pier, storage bins, steel and rein.-con., 3,000,000 to 4,000,000 bu. capacity, Locust Point. $3,500,000. J. S. Metcalfe, 108 South LaSalle St., Chicago, archts. L. P. Kimball, Engineering Bldgs., of Baltimore & Ohio R.R., engr. Noted Nov. 9.

Wharf, Chain Walls, etc.—New Orleans, La.—April 5, by Bd. Port Comnrs., concrete wharf, chain walls, etc., at Claiborne Ave. landing; adv. this issue.

Cement—Juneau, Wis.—March 30, by A. C. Klug, city clk., 6,000 bbl. cement.

Transmission Line—Three Lakes, Wis.—H. M. Olkowski, town clk., taking bids 10 mi. high voltage transmission line and street lighting system. Private plans.

Minn., Chaska—April 3, by W. Schimmelpfennig and Carver Co., pony or maintenance road graders, also all sizes of portable galvanized culverts. L. A. Zeman, Chaska, engr.

Miscellaneous (Continued)

Asphalt—Minneapolis, Minn.—March 26, by F. S. Gram, city purch. agt., 1,200 tons asphalt for street work. $24,000. N. W. Elsberg, city engr.

Cement, etc.—St. Paul, Minn. — See "Waterworks."

Road Drags, Scrapers, etc.—Onida, S. D.—April 3, by Sully Co., road drags, fresnoes, slip scrapers and one carload corrugated iron culverts, 15-24 in. sizes. G. L. Glessner, aud.

Lumber, etc.—Minot, N. D.—Feb. 7, by R. W. Kennard, aud. Ward Co., 2 carloads bridge lumber and corrugated metal culverts, to Rogers Lumber Co., Minot, $1,675. Noted Feb. 1.

Fire Alarm System—Wichita, Kan.—April 9, by City Comn., purchasing and installing fire alarm system. $60,000. P. L. Brockway, City Bldg., engr. Noted March 15.

Electric Standards—St. Louis, Mo.—April 10, by Bd. Pub. Serv., City Hall, 500 concrete electric standards, each 17 ft. 5 in. high over all, with 18 in. sq. octagon sides tapering off to 4½ in. top, $15,000. Will purchase at later date glassware for same, $17,500. Noted Dec. 7.

Transmission and Telephone Lines — Seattle, Wash.—April 13, by city, 100 mi. transmission and telephone lines. G. F. Unden, 1400 Alaska Bldg., ch. engr. of Skagit River Development; adv. this issue.

Grain Elevator—Montreal, Que.—April 3, by M. P. Fennell, genl. mgr. and secy. Montreal Harbor Comn., rein.-con. grain elevator on waterfront. $1,500,000. Private plans.

Tunnel—Montreal, Que.—March 24, by Chairman Executive Com., City Hall, widening Ontario St. Tunnel. $300,000. H. A. Tetreault, dir. pub. wks.

BIDS RECEIVED

Special Work—New York, N. Y.—Transit Comn., 49 Lafayette St., March 16, supply of special work and track fittings for use in construction of various parts of dual system of Rapid Transit R.R., from Railroad Switch & Crossing Corp., 25 Bway., $28,500; W. Wharton Jr. & Co., Inc., 30 Church St., $43,623; Bethlehem Steel Co., 25 Bway., $45,010. Noted March 8.

Paving Blocks—New York, N. Y.—Bd. Purch., Municipal Bldg., opened bids March 13, furnishing and delivering creosoted wood paving blocks, to Dept. Plant & Structures, from Amer. Creosoting Co., 17 Battery Pl., $22,415. Noted March 8.

Asphaltic Cement, etc.—St. George, N. Y.—J. A. Lynch, pres. Richmond Boro, Boro Hall, opened bids March 15, furnishing and delivering (1) 170 tons asphaltic cement (2) 100,000 gal. bituminous road surfacing material tar for cold application (3) 170,000 gal. tar macadam binder (4) 170,000 gal. asphaltic binder (5) 1,300 cu.yd. broken stone (6) 4,100 cu.yd. broken stone, from J. Johnson Sons, 455 Bway., West New Brighton, (1) $3,528 (4) $22,100 (5) $7,810 (6) $16,328; Standard Oil Co., 26 Bway., New York, (1) $3,599; Warner Quinlan Co., 79 Wall St., New York, (1) $3,805; Barrett Co., 17 Battery Pl., New York, (2) $10,250 (3) $24,310; F. J. Lewis Mfg. Co., Eastern Blvd. and East 177th St., New York, (2) $13,000 (3) $24,000; J. E. Donovan, 2205 Richmond Terrace, Port Richmond, (4) $19,975 (5) $8,550 (6) $17,430. Noted March 8.

Brick Chimney—Milwaukee, Wis.—Sewerage Comn. opened bids March 9, for 175 ft. brick chimney, from Alphons Custodis Chimney Constr. Co., 140 South Dearborn St., Chicago, $10,900; Heine Chimney Co., 123 West Randolph St., Chicago, $12,325; B. Wilke, 1011 Island Ave., $13,800. Noted March 1.

Road Oil—Minneapolis, Minn.—For 1,500,000 gal. Mexican road oil for city streets, from Pure Oil Co., 1300 South 1st St., $0.063 per gal.; White Eagle Oil & Refining Co., Federal Reserve Bank Bldg., Kansas City, Mo., $0.065; Minnesota Road Equipment Co., Plymouth Bldg., $0.067. Noted Jan. 25.

Sewer Bricks—St. Louis, Mo.—Commissioner Oetting, opened bids March 7, 95,000 hard sewer bricks, from Progress Press Brick & Machine Co., Kingshighway near Arsenal St., $18.75 per M; Hydraulic Press Brick Co., Central National Bank Bldg., $19.

Electrolier Systems—Los Angeles, Calif.—Electrolier systems in portions Pacific Ave., 2 units, and in 7th St., from Osborn Electric Co., Turlock, $15,816, $14,369 and $7,250 respectively; portion Western Ave., from H. H. Walker, 1800 West 12th St., $31,864. Southern California Electric Co., 625 South Main St., $31,999, Paulson Electric Co., 1812 North Harvard Blvd., $32,234.

SEWERS—MATAWAN, N. J.

Following are lowest three bids opened by Borough, Mar. 13, for constructing sewerage system, Schedule No. 1, (A) Seaman & Letzkus, Stone Harbor, N. J.; (B) Dinallo & Co., 66 Grant Ave., Nutley; (C) Romano & Tozzie, Montclair; sewage disposal works, Schedule No. 2, (A) Seaman & Letzkus; (B) Kuchar Bros., Spring Valley, N. Y.; (C) Spencer, White & Prentis, Inc., 100 West 41st St., New York City. The unit bids were as follows:

Schedule No. 1	A	B	C
4,000 cu.yd. earth excavation	$0.10	$1.95	$2.00
3,000 cu.yd. earth fill	.15	.85	2.00
5 cu.yd. rock excavation	10.00	12.00	5.00
60 cu.yd. concrete	9.00	16.00	20.00
360 bags portland cement	1.25	1.00	.90
5,500 lb. reinforcing steel	.08	.25	.06
600 lin.ft. 5-in. vitrified pipe risers	.32	.80	1.00
11,000 lin.ft. 5-in. vitrified pipe house connections	.65	.94	1.50
100 lin.ft. 6-in. vitrified pipe sewer, 6-ft. cut	.66	1.10	1.00
100 lin.ft. 6-in. vitrified pipe sewer, 6-ft.-8-ft. cut	.76	1.15	1.25
4,450 lin.ft. 8-in. vitrified pipe sewer, 6-ft. cut	.85	1.31	1.30
14,650 lin.ft. 8-in. vitrified pipe sewer, 6-ft.-8-ft. cut	1.02	1.96	1.97
5,200 lin.ft. 8-in. vitrified pipe sewer, 8-ft.-10-ft. cut	1.32	2.40	2.20
4,000 lin.ft. 8-in. vitrified pipe sewer, 10-ft.-12-ft. cut	1.82	3.75	2.45
350 lin.ft. 8-in. vitrified pipe sewer, 12-ft.-14-ft. cut	2.50	4.10	3.00
200 lin.ft. 8-in. vitrified pipe sewer, 14-ft.-16-ft. cut	2.75	4.35	4.00
1,200 lin.ft. 10-in. vitrified pipe sewer, 6-ft. cut	1.03	1.60	1.67
600 lin.ft. 10-in. vitrified pipe sewer, 6-ft.-8-ft. cut	1.17	2.25	2.47
800 lin.ft. 10-in. vitrified pipe sewer, 8-ft.-10-ft. cut	1.48	2.90	2.97
800 lin.ft. 10-in. vitrified pipe sewer, 10-ft.-12-ft. cut	2.27	4.18	3.27
600 lin.ft. 10-in. vitrified pipe sewer, 12-ft.-14-ft. cut	3.86	4.34	4.00
200 lin.ft. 10-in. vitrified pipe sewer, 14-ft.-16-ft. cut	5.25	7.00	6.00
200 lin.ft. 10-in. vitrified pipe sewer, 16-ft.-18-ft. cut	5.50	8.25	6.00
250 lin.ft. 12-in. vitrified pipe sewer, 6-ft. cut	1.27	2.00	1.77
200 lin.ft. 12-in. vitrified pipe sewer, 6-ft.-8-ft. cut	1.43	2.05	2.00
250 lin.ft. 12-in. vitrified pipe sewer, 8-ft.-10-ft. cut	1.84	3.25	2.47
350 lin.ft. 12-in. vitrified pipe sewer, 10-ft.-12-ft. cut	2.40	4.40	3.27
550 lin.ft. 12-in. vitrified pipe sewer, 12-ft.-14-ft. cut	3.98	4.80	3.97
400 lin.ft. 12-in. vitrified pipe sewer, 14-ft.-16-ft. cut	4.25	6.00	5.00
250 lin.ft. 12-in. vitrified pipe sewer, 16-ft.-18-ft. cut	5.00	10.00	6.00
150 lin.ft. 12-in. vitrified pipe sewer, 18-ft.-20-ft. cut	5.50	13.00	7.00
6 manholes, less than 6 ft. deep	63.00	50.00	60.00
62 manholes, 6 ft. to 8 ft. deep	75.00	76.00	64.00
30 manholes, 8 ft. to 10 ft. deep	85.00	100.00	87.00
22 manholes, 10 ft. to 12 ft. deep	100.00	125.00	100.00
6 manholes, 12 ft. to 14 ft. deep	160.00	155.00	150.00
5 manholes, 14 ft. to 16 ft. deep	200.00	196.00	170.00
2 manholes, 16 ft. to 18 ft. deep	240.00	200.00	200.00
1 manhole, 18 ft. to 20 ft. deep	260.00	225.00	250.00
1 5-in. bituminous joint	1.00	.45	.10
1 6-in. bituminous joint	1.50	.55	.10
1 8-in. bituminous joint	3.25	.65	.15
1 10-in. bituminous joint	3.50	.75	.22
1 12-in. bituminous joint	4.00	1.25	.30
2,000 lin.ft. 4-in. t.c. pipe under-drains	.10	.50	1.75
3,000 lin.ft. 6-in. t.c. pipe under-drains	.12	.75	1.75
2,000 lin.ft. concrete cradles for sewer pipe	.22	1.00	1.00
1,000 lin.ft. timbercradles for sewer pipe	.25	.10	1.00
100 lin.ft. sawed timber used as ditch piles	1.25	.15	2.00
1 M.ft.B.M. plank foundations for sewers	150.00	150.00	100.00
2 M.ft.B.M. lumber	100.00	80.00	90.00
420 lin.ft. 6-in. c.i. pipe, above ground	1.82	1.00	1.85
170 lin.ft. 8-in. c.i. pipe, above ground	2.27	1.25	2.30
400 lin.ft. 10-in. c.i. pipe, above ground	2.82	2.00	3.20
160 lin.ft. 8-ft. c.i. pipe, under tracks	6.00	1.75	4.00
Trestle No. 1 (lump sum)	900.00	1,200.00	1,400.00
Trestle No. 2 (lump sum)	611.00	1,000.00	1,080.00
Trestle No. 3 (lump sum)	435.00	950.00	800.00
Trestle No. 4 (lump sum)	452.00	1,500.00	928.00
Bridge crossing on Main St.	174.20	500.00	250.00
Bridge crossing on Little St.	1,287.85	800.00	2,125.00
10,000 lin ft. gravel pavement	.10	.25	.13
100 lin.ft. bituminous pavement	.75	.50	1.00
415 lin.ft. frost protection on 6-in. c.i. pipe	1.25	1.00	1.25
100 lin.ft. frost protection on 8-in. c.i. pipe	1.35	1.25	1.50
Extended totals	$84,423	$145,547	$149,064
Schedule No. 2			
Sewage disposal works (lump sum)	$16,998	$19,000	$20,895

CONTRACTS AWARDED

Paving Materials—Minneapolis, Minn.—To Barrett Co., 1 19th Ave. S., 600 tons paving pitch at $21.02 per ton, 600 tons refined tar, at average of $0.1025 per gal., tank cars; to Purington Paving Brick Co., Galesburg, Ill., 2,500,000 vitr. paving brick $38.52 per M.

Asphalt — Detroit, Mich. — Dept. Pub. Wks., City Hall, 4,000 tons asphalt either in tank cars or packages to Atlantic Refining Co., 3144 Passyunk Ave., Phila., $18.20 per ton in tank cars, $22.40 in packages; 2,000 tons in pakages to U. S. Asphalt Refining Co., 90 West St., New York City, $22.47 per ton.

Special Track Work — Detroit, Mich.—Dept. Street Rys., Shoemaker and St. Jean Sts., 560 pieces special track work for electric railway lines, to Lorain Steel Co., Johnstown, Pa., $123,884.

Dock—Green Bay, Wis.—See "Industrial Works."

Steel—Milwaukee, Wis.—Sewerage Comn. 508 Market St., 200 tons structural steel for fine screen house, to Worden-Allen Co., Port Washington Ave., $22,900.

Tractor and Grader — Burke, S. D. — Gregory Co., one 5 ton Holt tractor, f.o.b. Peoria, Ill., to Holt Mfg. Co., 417 Washington Ave. N., Minneapolis, Minn., $3,975; one elevator grader, f.o.b. Burke, to Russell Grader Mfg. Co., 2005 University Ave. S. E., Minneapolis, $1,795; one 12 ft. blade grader, f.o.b. Burke, to J. D. Adams & Co., 310 North 1st St., Minneapolis, Minn., $1,688. Noted Jan. 25.

Tractor—Onida, S. D.—C. L. Glessner, aud. Sully Co., one Aultman & Taylor 30-60 tractor to Aultman, Taylor & Co., Watertown, $2,800 (and old tractor). Noted Feb. 1.

Grain Elevator—Ft. Worth, Tex.—Ft. Worth Elevators Co., N. P. Anderson Bldg., one 750,000 bu. elevator and storage tank, 54 x 72 x 192 ft. head house with thirty-six 23 x 100 ft. storage tanks, all concrete, four 2,500 bu. strait hopper scales, 6 main elevator legs with 30 in. lift belts, 2 receiving legs, 2 shipping legs, 1 serving leg and 1 transfer leg, 2 large Carter disc separators, one 1,500 bu. hour capacity clipper and scourer, 2 Richardson auto sacking machines and scales, to Western Eng. Co., Dallas County State Bank Bldg., Dallas, $1,000,000. Noted Jan. 4.

Power Development — Oklahoma—Grand River Power & Development Co., Chicago, (street address not available), dam across Grand River in Mayes Co. near Morgans Inn, 40 ft. high, forming reservoir covering 5,000 acres, also power house generating 12,000 hp. (ultimately 30,000 hp.), to Taylor-Dewey Contg. Co., Allentown, Pa. (street address not available), $1,500,000.

Retaining Wall—San Bernardino, Calif.—See "Streets and Roads."

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